



Customer-Focused Solutions

April 6, 2005

Secor International, Inc.  
3017 Kilgore Road, Suite 100  
Rancho Cordova, CA 95670

ATTN: MR. RUSTY BENKOSKY

SITE: FORMER BP OIL 11249  
1300 FARMERS LANE  
SANTA ROSA, CALIFORNIA

RE: QUARTERLY MONITORING REPORT  
JANUARY THROUGH MARCH 2005

This Quarterly Monitoring Report for Former BP Oil 11249 is being sent to you for your review and comment. If no comments are received by **April 13, 2005**, copies of this report will be sent to you for distribution

Please send all comments to me at [cherrera@trcsolutions.com](mailto:cherrera@trcsolutions.com). If you have any questions regarding this report, please call me at (949) 727-7345.

Sincerely,

TRC

Christina Carrillo  
Technical Writer



Customer-Focused Solutions

April 6, 2005

ConocoPhillips Company  
76 Broadway  
Sacramento, CA 95818

ATTN: MS. LIZ SEWELL

SITE: FORMER BP OIL 11249  
1300 FARMERS LANE  
SANTA ROSA, CALIFORNIA

RE: QUARTERLY MONITORING REPORT  
JANUARY THROUGH MARCH 2005

Dear Ms. Sewell:

Please find enclosed our Quarterly Monitoring Report for Former BP Oil 11249, located at 1300 Farmers Lane, Santa Rosa, California. If you have any questions regarding this report, please call us at (949) 753-0101.

Sincerely,

TRC

Anju Farfan  
QMS Operations Manager

CC: Mr. Rusty Benkosky, Secor International, Inc. (4 copies)

Enclosures  
20-0400/11249R06.QMS



Customer-Focused Solutions

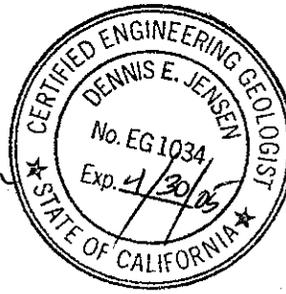
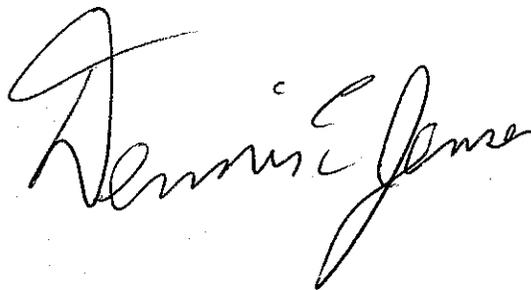
**QUARTERLY MONITORING REPORT  
JANUARY THROUGH MARCH 2005**

Former BP Oil 11249  
1300 Farmers Lane  
Santa Rosa, California.

Prepared For:

Ms. Liz Sewell  
CONOCOPHILLIPS COMPANY  
76 Broadway  
Sacramento, California 95818

By:



Senior Project Geologist, Irvine Operations  
April 5, 2005

### LIST OF ATTACHMENTS

Summary Sheet	Summary of Gauging and Sampling Activities
Tables	Table Key Table 1: Current Fluid Levels and Selected Analytical Results Table 2: Historic Fluid Levels and Selected Analytical Results Table 3: Additional Analytical Results
Figures	Figure 1: Vicinity Map Figure 2: Groundwater Elevation Contour Map Figure 3: Dissolved-Phase TPH-G Concentration Map Figure 4: Dissolved-Phase Benzene Concentration Map Figure 5: Dissolved-Phase MTBE Concentration Map
Graphs	Groundwater Elevations vs. Time MTBE 8260B Concentrations vs. Time
Field Activities	General Field Procedures Groundwater Sampling Field Notes
Laboratory Reports	Official Laboratory Reports Quality Control Reports Chain of Custody Records
Statements	Purge Water Disposal Limitations

**Summary of Gauging and Sampling Activities**  
**January 2005 through March 2005**  
**Former BP Oil 11249**  
**1300 Farmers Lane**  
**Santa Rosa, CA**

Project Coordinator: **Liz Sewell**  
Telephone: **916-558-7604**

Water Sampling Contractor: **TRC**  
Compiled by: **Christina Carrillo**

Date(s) of Gauging/Sampling Event: **03/11/05**

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**Sample Points**

Groundwater wells: **11** onsite, **2** offsite      Wells gauged: **13**      Wells sampled: **13**  
Purging method: **Diaphragm/submersible pump**  
Purge water disposal: **Onyx/Rodeo Unit 100**  
Other Sample Points: **0**      Type: **n/a**

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**Liquid Phase Hydrocarbons (LPH)**

Wells with LPH: **0**      Maximum thickness (feet): **n/a**  
LPH removal frequency: **n/a**      Method: **n/a**  
Treatment or disposal of water/LPH: **n/a**

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**Hydrogeologic Parameters**

Depth to groundwater (below TOC):      Minimum: **9.19 feet**      Maximum: **13.7 feet**  
Average groundwater elevation (relative to available local datum): **189.62 feet**  
Average change in groundwater elevation since previous event: **2.81 feet**  
Interpreted groundwater gradient and flow direction:  
    Current event: **0.02 ft/ft, north**  
    Previous event: **0.01 ft/ft, north (12/02/04)**

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**Selected Laboratory Results**

Wells with detected **Benzene**: **1**      Wells above MCL (1.0 µg/l): **1**  
    Maximum reported benzene concentration: **2.1 µg/l (MW-4)**  
Wells with **TPH-G**      **3**      Maximum: **260 µg/l (MW-7)**  
Wells with **MTBE**      **8**      Maximum: **70 µg/l (MW-7)**

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**Notes:**

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This report presents the results of groundwater monitoring and sampling activities performed by TRC. Please contact the primary consultant for other specific information on this site.

# TABLES

## TABLE KEY

### STANDARD ABBREVIATIONS

--	=	not analyzed, measured, or collected
LPH	=	liquid-phase hydrocarbons
Trace	=	less than 0.01 foot of LPH in well
µg/l	=	micrograms per liter (approx. equivalent to parts per billion, ppb)
mg/l	=	milligrams per liter (approx. equivalent to parts per million, ppm)
ND <	=	not detected at or above laboratory detection limit
TOC	=	top of casing (surveyed reference elevation)

### ANALYTES

BTEX	=	benzene, toluene, ethylbenzene, and (total) xylenes
DIPE	=	di-isopropyl ether
ETBE	=	ethyl tertiary butyl ether
MTBE	=	methyl tertiary butyl ether
PCB	=	polychlorinated biphenyls
PCE	=	tetrachloroethene
TBA	=	tertiary butyl alcohol
TCA	=	trichloroethane
TCE	=	trichloroethene
TPH-G	=	total petroleum hydrocarbons with gasoline distinction
TPH-D	=	total petroleum hydrocarbons with diesel distinction
TPPH	=	total purgeable petroleum hydrocarbons
TRPH	=	total recoverable petroleum hydrocarbons
TAME	=	tertiary amyl methyl ether
1,1-DCA	=	1,1-dichloroethane
1,2-DCA	=	1,2-dichloroethane (same as EDC, ethylene dichloride)
1,1-DCE	=	1,1-dichloroethene
1,2-DCE	=	1,2-dichloroethene (cis- and trans-)

### NOTES

1. Elevations are in feet above mean sea level. Depths are in feet below surveyed top-of-casing.
2. Groundwater elevations for wells with LPH are calculated as:  $\text{Surface Elevation} - \text{Measured Depth to Water} + (\text{Dp} \times \text{LPH Thickness})$ , where Dp is the density of the LPH, if known. A value of 0.75 is used for gasoline and when the density is not known. A value of 0.83 is used for diesel.
3. Wells with LPH are generally not sampled for laboratory analysis (see General Field Procedures).
4. Comments shown on tables are general. Additional explanations may be included in field notes and laboratory reports, both of which are included as part of this report.
5. A "J" flag indicates that a reported analytical result is an estimated concentration value between the method detection limit (MDL) and the practical quantification limit (PQL) specified by the laboratory.
6. Other laboratory flags (qualifiers) may have been reported. See the official laboratory report (attached) for a complete list of laboratory flags.
7. Concentration graphs based on tables (presented following Figures) show non-detect results prior to the Second Quarter 2000 plotted at fixed values for graphical display. Non-detect results reported since that time are plotted at reporting limits stated in the official laboratory report.
8. Groundwater vs. Time graphs may be corrected for apparent level changes due to resurvey.

### REFERENCE

TRC began groundwater monitoring and sampling for Former BP Oil 11249 in October 2003. Historical data compiled prior to that time were provided by Gettler-Ryan Inc.

**Table 1**  
**March 11, 2005**  
**Former BP Oil 11249**

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (µg/l)	TPPH 8260B (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE 8021B (µg/l)	MTBE 8260B (µg/l)	Comments
<b>MW-1</b>														
03/11/05	201.34	10.97	0.00	190.37	3.04	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	0.87	
<b>MW-2</b>														
03/11/05	201.11	10.99	0.00	190.12	3.04	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	5.6	6.0	
<b>MW-3</b>														
03/11/05	200.16	9.19	0.00	190.97	3.34	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	ND<0.50	
<b>MW-4</b>														
03/11/05	200.06	9.75	0.00	190.31	2.97	160	--	2.1	ND<0.50	0.61	ND<0.50	23	22	
<b>MW-5</b>														
03/11/05	200.47	11.20	0.00	189.27	2.90	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	ND<0.50	
<b>MW-6</b>														
03/11/05	200.45	11.66	0.00	188.79	2.72	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	14	11	
<b>MW-7</b>														
03/11/05	200.56	10.52	0.00	190.04	2.86	260	--	ND<1.0	ND<1.0	ND<1.0	ND<1.0	87	70	
<b>MW-7D</b>														
03/11/05	200.63	10.85	0.00	189.78	2.88	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	1.7	
<b>MW-8D</b>														
03/11/05	201.06	11.66	0.00	189.40	2.82	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	ND<0.50	
<b>MW-8S</b>														
03/11/05	201.03	13.70	0.00	187.33	1.71	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	14	15	
<b>MW-9D</b>														
03/11/05	200.14	10.99	0.00	189.15	2.74	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	ND<0.50	
<b>MW-9S</b>														
03/11/05	200.15	10.72	0.00	189.43	2.79	53	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	15	5.2	
<b>MW-10</b>														

Table 1

CURRENT FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

March 11, 2005

Former BP Oil 11249

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (µg/l)	TPPH 8260B (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethylbenzene (µg/l)	Total Xylenes (µg/l)	MTBE 8021B (µg/l)	MTBE 8260B (µg/l)	Comments
MW-10 03/11/05	continued 199.54	9.43	0.00	190.11	2.73	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	ND<0.50	

Table 2

HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

November 1992 Through March 2005

Former BP Oil 11249

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (µg/l)	TPPH 8260B (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE 8021B (µg/l)	MTBE 8260B (µg/l)	Comments
MW-1														
11/30/92	201.35	15.49	0.00	185.86	0.00	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--	
D 11/30/92	201.35	15.49	0.00	185.86	--	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--	
10/07/93	201.35	15.52	--	185.83	-0.03	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--	
D 10/07/93	201.35	15.52	--	185.83	0.00	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--	
02/11/94	201.35	12.43	--	188.92	3.09	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--	
D 02/11/94	201.35	12.43	--	188.92	0.00	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--	
05/20/94	201.35	13.30	--	188.05	-0.87	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--	
08/18/94	201.35	14.84	--	186.51	-1.54	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--	
11/16/94	201.35	14.28	--	187.07	0.56	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--	
02/08/95	201.35	11.74	--	189.61	2.54	--	--	--	--	--	--	--	--	
05/18/95	201.35	12.51	--	188.84	-0.77	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	--	
03/01/96	201.35	11.24	--	190.11	1.27	--	--	--	--	--	--	--	--	
04/03/97	201.35	13.97	--	187.38	-2.73	--	--	--	--	--	--	--	--	
03/11/98	201.35	11.63	--	189.72	2.34	--	--	--	--	--	--	--	--	
06/29/99	201.35	15.63	--	185.72	-4.00	ND<50	--	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	--	
09/21/99	201.35	15.36	--	185.99	0.27	ND<50	--	ND<1.0	ND<1.0	ND<1.0	ND<1.0	1.8	10	
03/28/00	189.36	11.98	--	177.38	-8.61	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	1.43	
06/10/00	201.34	13.84	--	187.50	10.12	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	3.6	ND<2.0	
09/05/00	201.34	15.24	--	186.10	-1.40	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	2.67	ND<2.0	
12/16/00	201.35	14.05	--	187.30	1.20	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	ND<2.0	
03/26/01	201.34	13.03	--	188.31	1.01	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	2.04	ND<2.0	
06/28/01	201.34	15.20	--	186.14	-2.17	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	1.4	
09/27/01	201.34	16.07	--	185.27	-0.87	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	1.6	
12/27/01	201.34	11.08	--	190.26	4.99	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	1.4	

**Table 2**  
**HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**  
**November 1992 Through March 2005**  
**Former BP Oil 11249**

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (µg/l)	TPPH 8260B (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE 8021B (µg/l)	MTBE 8260B (µg/l)	Comments
<b>MW-1 continued</b>														
03/26/02	201.34	11.95	--	189.39	-0.87	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	ND<2.0	
06/27/02	201.34	14.45	--	186.89	-2.50	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	ND<2.0	
09/26/02	201.34	15.70	--	185.64	-1.25	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	ND<2.0	
12/26/02	201.34	11.47	--	189.87	4.23	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.0	ND<2.0	
03/27/03	201.34	12.19	--	189.15	-0.72	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.0	ND<2.0	
06/24/03	201.34	13.69	--	187.65	-1.50	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.0	<2.0	
09/30/03	201.34	14.83	0.00	186.51	-1.14	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<2.0	--	
12/20/03	201.34	13.08	0.00	188.26	1.75	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	ND<2.0	
03/25/04	201.34	12.20	0.00	189.14	0.88	ND<50	--	ND<0.3	ND<0.3	ND<0.3	ND<0.6	--	0.72	
06/22/04	201.34	13.86	0.00	187.48	-1.66	72	--	1.4	1.2	0.54	1.5	1.1	0.64	
09/01/04	201.34	14.63	0.00	186.71	-0.77	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	0.73	
12/02/04	201.34	14.01	0.00	187.33	0.62	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	0.93	
03/11/05	201.34	10.97	0.00	190.37	3.04	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	0.87	
<b>MW-2</b>														
11/30/92	201.11	15.38	--	185.73	--	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--	
10/07/93	201.11	15.54	--	185.57	-0.16	170	--	6	ND<0.50	1.2	ND<0.50	--	--	
02/11/94	201.11	13.09	--	188.02	2.45	230	--	17	9	5.6	ND<0.50	--	--	
05/20/94	201.11	13.95	--	187.16	-0.86	450	--	11	1.2	3	1.4	--	--	
D 05/20/94	201.11	13.95	--	187.16	0.00	410	--	9.2	0.9	2.2	0.6	--	--	
08/18/94	201.11	15.51	--	185.60	0.00	430	--	ND<0.50	ND<0.50	2.4	ND<0.50	--	--	
D 08/18/94	201.11	15.51	--	185.60	-1.56	390	--	2.6	ND<0.5	1.5	ND<0.5	--	--	
11/16/94	201.11	14.59	--	186.52	0.00	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--	
D 11/16/94	201.11	14.59	--	186.52	0.92	100	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	--	--	
02/08/95	201.11	11.16	--	189.95	0.00	68	--	0.42	ND<0.25	ND<0.25	ND<0.50	--	--	

Table 2

### HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

November 1992 Through March 2005

Former BP Oil 11249

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (µg/l)	TPPH 8260B (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE 8021B (µg/l)	MTBE 8260B (µg/l)	Comments
D MW-2 continued														
D 02/08/95	201.11	11.16	--	189.95	3.43	68	--	0.38	ND<0.25	ND<0.25	ND<0.50	--	--	
05/18/95	201.11	12.17	--	188.94	-1.01	73	--	0.64	ND<0.50	ND<0.50	ND<1.0	--	--	
D 05/18/95	201.11	12.17	--	188.94	0.00	80	--	0.63	ND<0.50	ND<0.50	ND<1.0	--	--	
03/01/96	201.11	10.39	--	190.72	1.78	170	--	4.3	ND<1.0	1	ND<1.0	43	--	
04/03/97	201.11	13.41	--	187.70	-3.02	ND<50	--	ND<0.50	ND<1.0	ND<1.0	ND<1.0	ND<10	--	
03/11/98	201.11	11.04	--	190.07	2.37	520	--	ND<0.50	ND<1.0	ND<1.0	ND<1.0	350	--	
06/29/99	201.11	13.30	--	187.81	-2.26	490	--	ND<1.0	ND<1.0	ND<1.0	ND<1.0	330	--	
09/21/99	201.11	15.20	--	185.91	-1.90	ND<50	--	ND<1.0	ND<1.0	ND<1.0	ND<1.0	190	190	
03/28/00	201.11	12.03	--	189.08	3.17	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	95.1	82	
06/10/00	201.11	13.81	--	187.30	-1.78	ND<50	--	1.1	ND<0.50	ND<0.50	ND<0.50	150	130	
09/05/00	201.11	15.15	--	185.96	-1.34	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	17.3	12	
12/16/00	201.11	14.10	--	187.01	1.05	ND<50	--	2.12	ND<0.50	ND<0.50	ND<0.50	44.4	32.8	
03/26/01	201.11	13.05	--	188.06	1.05	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	11.7	11	
06/28/01	201.11	15.17	--	185.94	-2.12	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	19	21	
09/27/01	201.11	15.87	--	185.24	-0.70	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	48	36	
12/27/01	201.11	11.06	--	190.05	4.81	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	6.1	5.2	
03/26/02	201.11	11.98	--	189.13	-0.92	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	42	49	
06/27/02	201.11	14.50	--	186.61	-2.52	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	72	98	
09/26/02	201.11	15.74	--	185.37	-1.24	ND<50	--	0.78	ND<0.50	ND<0.50	ND<0.50	43	53	
12/26/02	201.11	11.29	--	189.82	4.45	ND<50	--	0.70	ND<0.50	ND<0.50	ND<0.50	20	17	
03/27/03	201.11	12.21	--	188.90	-0.92	68	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	43	51	
06/24/03	201.11	13.51	--	187.60	-1.30	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	5.3	13	
09/30/03	201.11	14.97	0.00	186.14	-1.46	100	--	ND<0.50	ND<0.50	ND<0.50	ND<1.0	31	--	
12/20/03	201.11	12.86	0.00	188.25	2.11	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	7.1	8.0	

Table 2

## HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

November 1992 Through March 2005

Former BP Oil 11249

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (µg/l)	TPPH 8260B (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE 8021B (µg/l)	MTBE 8260B (µg/l)	Comments
MW-2 continued														
03/25/04	201.11	12.20	0.00	188.91	0.66	72	--	ND<0.3	1.8	ND<0.3	ND<0.6	--	58	
06/22/04	201.11	13.73	0.00	187.38	-1.53	ND<50	--	ND<0.3	ND<0.3	ND<0.3	ND<0.6	2.7	2.3	
09/01/04	201.11	14.74	0.00	186.37	-1.01	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	1.5	
12/02/04	201.11	14.03	0.00	187.08	0.71	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	1.6	
03/11/05	201.11	10.99	0.00	190.12	3.04	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	5.6	6.0	
MW-3														
11/30/92	200.18	13.95	--	186.23	--	ND<50	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	--	--	
10/07/93	200.18	14.01	--	186.17	-0.06	ND<50	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	--	--	
02/11/94	200.18	10.56	--	189.62	3.45	ND<50	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	--	--	
05/20/94	200.18	12.41	--	187.77	-1.85	ND<50	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	--	--	
08/18/94	200.18	13.97	--	186.21	-1.56	ND<50	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	--	--	
11/16/94	200.18	12.32	--	187.86	1.65	ND<50	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	--	--	
02/08/95	200.18	9.12	--	191.06	3.20	--	--	--	--	--	--	--	--	
05/18/95	200.18	10.55	--	189.63	-1.43	ND<50	--	ND<0.5	ND<0.5	ND<0.5	ND<1.0	--	--	
03/01/96	200.18	8.13	--	192.05	2.42	--	--	--	--	--	--	--	--	
04/03/97	200.18	11.41	--	188.77	-3.28	--	--	--	--	--	--	--	--	
03/11/98	200.18	10.07	--	190.11	1.34	--	--	--	--	--	--	--	--	
06/29/99	200.18	11.81	--	188.37	-1.74	ND<50	--	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	--	
09/21/99	200.18	13.22	--	186.96	-1.41	ND<50	--	ND<1.0	ND<1.0	ND<1.0	ND<1.0	1.1	ND<1.0	
03/28/00	200.18	10.29	--	189.89	2.93	ND<50	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2.5	0.753	
06/10/00	200.18	12.26	--	187.92	-1.97	ND<50	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2.5	ND<2.0	
09/05/00	200.18	13.72	--	186.46	-1.46	ND<50	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	2.51	ND<2.0	
12/16/00	200.18	13.12	--	187.06	0.60	ND<50	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	ND<2.0	
03/26/01	200.18	11.41	--	188.77	1.71	ND<50	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	1.13	ND<2.0	

Table 2

## HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

November 1992 Through March 2005

Former BP Oil 11249

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (µg/l)	TPPH 8260B (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE 8021B (µg/l)	MTBE 8260B (µg/l)	Comments
MW-3 continued														
06/28/01	200.16	13.58	--	186.58	-2.19	ND<50	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2.5	0.56	
09/27/01	200.16	14.43	--	185.73	-0.85	ND<50	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2.5	0.73	
12/27/01	200.16	9.27	--	190.89	5.16	ND<50	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2.5	0.72	
03/26/02	200.16	10.30	--	189.86	-1.03	ND<50	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2.5	ND<2.0	
06/27/02	200.16	12.97	--	187.19	-2.67	ND<50	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	2.5	ND<2.0	
09/26/02	200.16	14.23	--	185.93	-1.26	ND<50	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2.5	ND<2.0	
12/26/02	200.16	9.55	--	190.61	4.68	ND<50	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	5.1	5.0	
03/27/03	200.16	10.74	--	189.42	-1.19	ND<50	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	2.3	2.7	
06/24/03	200.16	12.21	--	187.95	-1.47	ND<50	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	3.4	5.0	
09/30/03	200.16	13.41	0.00	186.75	-1.20	62	--	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<2.0	--	
12/20/03	200.16	11.15	0.00	189.01	2.26	ND<50	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	ND<2.0	
03/25/04	200.16	10.82	0.00	189.34	0.33	ND<50	--	ND<0.3	ND<0.3	ND<0.3	ND<0.6	--	0.55	
06/22/04	200.16	12.57	0.00	187.59	-1.75	ND<50	--	ND<0.3	ND<0.3	ND<0.3	ND<0.6	ND<1	ND<0.5	
09/01/04	200.16	13.15	0.00	187.01	-0.58	ND<50	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	--	ND<0.50	
12/02/04	200.16	12.53	0.00	187.63	0.62	ND<50	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	ND<0.50	
03/11/05	200.16	9.19	0.00	190.97	3.34	ND<50	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	ND<0.50	
MW-4														
11/30/92	200.04	14.09	--	185.95	--	89	--	1.4	ND<0.50	1.4	ND<0.50	--	--	
10/07/93	200.04	14.21	--	185.83	-0.12	360	--	1.4	ND<0.50	4.1	ND<0.50	--	--	
02/11/94	200.04	10.89	--	189.15	3.32	102	--	ND<0.50	4.9	ND<0.50	ND<0.50	--	--	
05/20/94	200.04	12.75	--	187.29	-1.86	80	--	1.5	ND<0.50	ND<0.50	ND<0.50	--	--	
08/18/94	200.04	14.30	--	185.74	-1.55	1400	--	2.6	ND<0.50	11	0.8	--	--	
11/16/94	200.04	12.67	--	187.37	1.63	520	--	ND<0.50	ND<0.50	0.8	ND<0.50	--	--	
02/08/95	200.04	9.62	--	190.42	3.05	--	--	--	--	--	--	--	--	

**Table 2**  
**HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**  
**November 1992 Through March 2005**  
**Former BP Oil 11249**

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (µg/l)	TPPH 8260B (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE 8021B (µg/l)	MTBE 8260B (µg/l)	Comments
MW-4 continued														
05/18/95	200.04	11.01	--	189.03	-1.39	740	--	ND<1.0	ND<1.0	ND<1.0	ND<2.0	--	--	--
03/01/96	200.04	8.75	--	191.29	0.00	430	--	1.9	ND<1.0	6	1	3700	--	--
D 03/01/96	200.04	8.75	--	191.29	2.26	390	--	1.6	ND<1	6	ND<1	3700	--	--
04/03/97	200.04	11.86	--	188.18	0.00	2700	--	6.3	ND<1.0	5.9	ND<1.0	2800	--	--
D 04/03/97	200.04	11.86	--	188.18	-3.11	2400	--	8.0	1.9	8.3	ND<1.0	1900	--	--
03/11/98	200.04	9.70	--	190.34	2.16	13000	--	ND<0.50	ND<1.0	ND<1.0	ND<1.0	12000	--	--
D 03/11/98	200.04	9.70	--	190.34	0.00	13000	--	ND<0.5	ND<1.0	ND<1.0	ND<1.0	12000	--	--
06/29/99	200.04	12.97	--	187.07	-3.27	14000	--	ND<1.0	ND<1.0	1.5	1.6	14000	14000	--
09/21/99	200.04	13.94	--	186.10	-0.97	4900	--	ND<50	ND<50	ND<50	ND<50	23000	26000	--
03/28/00	200.06	10.75	--	189.31	3.21	ND<50000	--	ND<500	ND<500	ND<500	ND<500	11300	11400	--
06/10/00	200.06	12.55	--	187.51	-1.80	ND<500	--	61	ND<5.0	ND<5.0	ND<5.0	26000	14000	--
09/05/00	200.06	13.96	--	186.10	-1.41	167	--	ND<5.0	ND<5.0	ND<5.0	0.605	11200	9100	--
12/16/00	200.06	13.41	--	186.65	0.55	ND<2500	--	ND<25.0	ND<25.0	ND<25.0	ND<25.0	43000	35300	--
03/26/01	200.06	11.74	--	188.32	1.67	371	--	0.891	0.629	ND<5.0	0.752	8300	11000	--
06/28/01	200.06	13.86	--	186.20	-2.12	ND<5000	--	ND<50	ND<50	ND<50	ND<50	17000	16000	--
09/27/01	200.06	14.65	--	185.41	-0.79	ND<2500	--	ND<25	ND<25	ND<25	ND<25	11000	10000	--
12/27/01	200.06	9.70	--	190.36	4.95	550	--	4.8	ND<0.50	2.3	0.62	7300	7000	--
03/26/02	200.06	10.70	--	189.36	-1.00	1500	--	ND<10	16	ND<10	ND<10	19000	26000	--
06/27/02	200.06	13.27	--	186.79	-2.57	930	--	5.6	ND<1.0	2.8	ND<1.0	640	860	--
09/26/02	200.06	14.55	--	185.51	-1.28	940	--	6.2	0.76	1.5	0.96	900	1300	--
12/26/02	200.06	9.98	--	190.08	4.57	2700	--	ND<25	ND<25	ND<25	ND<25	2000	2400	--
03/27/03	200.06	11.08	--	188.98	-1.10	470	--	6.2	1.2	0.77	1.6	140	83	--
06/24/03	200.06	12.48	--	187.58	-1.40	320	--	9.6	ND<0.50	1.6	0.52	46	95	--
09/30/03	200.06	13.75	0.00	186.31	-1.27	1100	--	ND<5.0	ND<5.0	ND<5.0	ND<10	25	--	--

**Table 2**  
**HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**  
**November 1992 Through March 2005**  
**Former BP Oil 11249**

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (µg/l)	TPPH 8260B (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE 8021B (µg/l)	MTBE 8260B (µg/l)	Comments
<b>MW-4 continued</b>														
12/20/03	200.06	11.49	0.00	188.57	2.26	310	--	4.8	ND<0.50	1.1	ND<0.50	65	58	
03/25/04	200.06	11.10	0.00	188.96	0.39	190	--	0.54	3.9	ND<0.3	ND<0.6	--	91	
06/22/04	200.06	12.83	0.00	187.23	-1.73	59	--	ND<0.3	2.2	ND<0.3	ND<0.6	6.6	5.5	
09/01/04	200.06	13.54	0.00	186.52	-0.71	120	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	2.4	
12/02/04	200.06	12.72	0.00	187.34	0.82	290	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	13	2.8	
03/11/05	200.06	9.75	0.00	190.31	2.97	160	--	2.1	ND<0.50	0.61	ND<0.50	23	22	
<b>MW-5</b>														
03/28/00	200.47	11.49	--	188.98	--	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	ND<0.50	
06/10/00	200.47	13.88	--	186.59	-2.39	ND<50	--	1.9	0.53	ND<0.50	ND<0.50	4.9	2.4	
09/05/00	200.47	14.74	--	185.73	-0.86	167	--	0.866	ND<0.50	ND<0.50	ND<0.50	ND<2.5	ND<2.0	
12/16/00	200.47	14.26	--	186.21	0.48	ND<50	--	1.26	ND<0.50	ND<0.50	ND<0.50	ND<5.0	ND<2.0	
03/26/01	200.47	13.27	--	187.20	0.99	ND<50	--	0.636	ND<0.50	ND<0.50	ND<0.50	ND<0.5	ND<2.0	
06/28/01	200.47	15.35	--	185.12	-2.08	ND<50	--	0.5	ND<0.50	ND<0.50	ND<0.50	ND<2.5	ND<0.50	
09/27/01	200.47	15.83	--	184.64	-0.48	ND<50	--	0.83	ND<0.50	ND<0.50	ND<0.50	ND<2.5	ND<0.50	
12/27/01	200.47	11.13	--	189.34	4.70	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	30	ND<0.50	
03/26/02	200.47	12.16	--	188.31	-1.03	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	ND<2.0	
06/27/02	200.47	14.62	--	185.85	-2.46	ND<50	--	3.1	1.2	ND<0.50	ND<0.50	ND<2.5	ND<2.0	
09/26/02	200.47	15.89	--	184.58	-1.27	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	ND<2.0	
12/26/02	200.47	11.32	--	189.15	4.57	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.0	ND<2.0	
03/27/03	200.47	12.63	--	187.84	-1.31	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.0	ND<2.0	
06/24/03	200.47	13.78	--	186.69	-1.15	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.0	ND<2.0	
09/30/03	200.47	14.63	0.00	185.84	-0.85	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.0	--	
12/20/03	200.47	13.12	0.00	187.35	1.51	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	ND<2.0	
03/25/04	200.47	12.55	0.00	187.92	0.57	ND<50	--	ND<0.3	ND<0.3	ND<0.3	ND<0.6	--	ND<0.50	

Table 2

### HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

November 1992 Through March 2005

Former BP Oil 11249

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (µg/l)	TPPH 8260B (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE 8021B (µg/l)	MTBE 8260B (µg/l)	Comments
<b>MW-5 continued</b>														
06/22/04	200.47	14.21	0.00	186.26	-1.66	ND<50	--	ND<0.3	ND<0.3	ND<0.3	ND<0.6	1.1	ND<0.5	
09/01/04	200.47	14.82	0.00	185.65	-0.61	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	
12/02/04	200.47	14.10	0.00	186.37	0.72	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	ND<0.50	
03/11/05	200.47	11.20	0.00	189.27	2.90	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	ND<0.50	
<b>MW-6</b>														
03/28/00	200.45	11.39	--	189.06	--	151	--	0.979	0.805	ND<0.50	ND<0.50	54.1	50	
06/10/00	200.45	13.45	--	187.00	-2.06	360	--	4.4	0.76	1.1	ND<0.50	360	450	
09/05/00	200.45	14.79	--	185.66	-1.34	302	--	3.50	0.667	0.698	ND<0.50	381	310	
12/16/00	200.45	14.30	--	186.15	0.49	223	--	2.04	ND<0.50	0.631	ND<0.50	332	360	
03/26/01	200.45	12.33	--	188.12	1.97	247	--	1.24	ND<0.50	ND<0.50	ND<0.50	325	330	
06/28/01	200.45	15.00	--	185.45	-2.67	170	--	ND<1.0	ND<1.0	ND<1.0	ND<1.0	250	330	
09/27/01	200.45	15.45	--	185.00	-0.45	ND<250	--	ND<2.5	ND<2.5	ND<2.5	ND<2.5	250	270	
12/27/01	200.45	12.25	--	188.20	3.20	83	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	130	150	
03/26/02	200.45	13.36	--	187.09	-1.11	50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	120	130	
06/27/02	200.45	14.41	--	186.04	-1.05	78	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	150	180	
09/26/02	200.45	15.65	--	184.80	-1.24	120	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	140	150	
12/26/02	200.45	12.05	--	188.40	3.60	130	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	130	140	
03/27/03	200.45	12.31	--	188.14	-0.26	100	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	110	130	
06/24/03	200.45	14.02	--	186.43	-1.71	120	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	150	160	
09/30/03	200.45	14.54	0.00	185.91	-0.52	140	--	ND<0.50	ND<0.50	ND<0.50	ND<1.0	110	--	
12/20/03	200.45	14.08	0.00	186.37	0.46	140	--	ND<0.50	0.76	ND<0.50	ND<0.50	100	62	
03/25/04	200.45	14.08	0.00	186.37	0.00	190	--	0.68	0.96	ND<0.3	ND<0.6	--	48	
06/22/04	200.45	15.02	0.00	185.43	-0.94	ND<50	--	ND<0.3	0.51	ND<0.3	ND<0.6	44	43	
09/01/04	200.45	14.57	0.00	185.88	0.45	51	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	16	

Table 2

### HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

November 1992 Through March 2005

Former BP Oil 11249

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (µg/l)	TPPH 8260B (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE 8021B (µg/l)	MTBE 8260B (µg/l)	Comments
MW-6 continued														
12/02/04	200.45	14.38	0.00	186.07	0.19	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	14	12	
03/11/05	200.45	11.66	0.00	188.79	2.72	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	14	11	
MW-7														
03/28/00	200.56	11.45	--	189.11	--	55.6	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	175	3710	
06/10/00	200.56	13.21	--	187.35	-1.76	1300	--	27	ND<10	11	ND<10	4500	120	
09/05/00	200.56	14.60	--	185.96	-1.39	1520	--	7.15	1.77	15.5	1.56	5990	5800	
12/16/00	200.56	13.58	--	186.98	1.02	2650	--	ND<5.0	ND<5.0	26.8	ND<5.0	9860	9820	
03/26/01	200.56	11.91	--	188.65	1.67	965	--	1.12	1.37	5.21	1.17	4870	6100	
06/28/01	200.56	14.38	--	186.18	-2.47	1600	--	ND<10	ND<10	ND<10	ND<10	6600	4700	
09/27/01	200.56	15.30	--	185.26	-0.92	ND<1000	--	ND<10	ND<10	ND<10	ND<10	5000	5200	
12/27/01	200.56	10.36	--	190.20	4.94	ND<2500	--	ND<25	ND<25	ND<25	ND<25	5800	6300	
03/26/02	200.56	11.37	--	189.19	-1.01	ND<1000	--	ND<10	ND<10	ND<10	ND<10	5000	5100	
06/27/02	200.56	13.81	--	186.75	-2.44	ND<1000	--	ND<10	ND<10	ND<10	ND<10	7300	5900	
09/26/02	200.56	15.03	--	185.53	-1.22	4600	--	ND<10	ND<10	ND<10	22	5500	5400	
12/26/02	200.56	10.31	--	190.25	4.72	780	--	ND<0.50	1.3	ND<0.50	ND<0.50	2900	4000	
03/27/03	200.56	11.75	--	188.81	-1.44	ND<5000	--	ND<50	ND<50	ND<50	ND<50	5700	4700	
06/24/03	200.56	12.95	--	187.61	-1.20	680	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	4300	1200	
09/30/03	200.56	14.45	0.00	186.11	-1.50	ND<2000	--	ND<20	ND<20	ND<20	ND<40	2300	--	
12/20/03	200.56	12.43	0.00	188.13	2.02	1200	--	ND<5.0	ND<5.0	ND<5.0	ND<5.0	1100	1300	
03/25/04	200.56	11.61	0.00	188.95	0.82	280	--	5.4	3.2	ND<0.3	ND<0.6	--	740	
06/22/04	200.56	12.54	0.00	188.02	-0.93	160	--	ND<0.3	1.1	ND<0.3	ND<0.6	170	180	
09/01/04	200.56	13.50	0.00	187.06	-0.96	180	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	95	
12/02/04	200.56	13.38	0.00	187.18	0.12	190	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	94	73	
03/11/05	200.56	10.52	0.00	190.04	2.86	260	--	ND<1.0	ND<1.0	ND<1.0	ND<1.0	87	70	

Table 2

### HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

November 1992 Through March 2005

Former BP Oil 11249

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (µg/l)	TPPH 8260B (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE 8021B (µg/l)	MTBE 8260B (µg/l)	Comments
<b>MW-7D</b>														
06/28/01	200.63	6.58	--	194.05	--	ND<100	--	ND<1.0	ND<1.0	ND<1.0	ND<1.0	52	29	
09/27/01	200.63	15.62	--	185.01	-9.04	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	20	15	
12/27/01	200.63	10.83	--	189.80	4.79	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	1.1	
03/26/02	200.63	11.75	--	188.88	-0.92	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	ND<2.0	
06/27/02	200.63	14.24	--	186.39	-2.49	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	ND<2.0	
09/26/02	200.63	15.50	--	185.13	-1.26	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	2.3	
12/26/02	200.63	11.17	--	189.46	4.33	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.0	ND<2.0	
03/27/03	200.63	12.10	--	188.53	-0.93	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.0	ND<2.0	
06/24/03	200.63	13.38	--	187.25	-1.28	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	2.6	2.7	
09/30/03	200.63	14.72	0.00	185.91	-1.34	60	--	ND<0.50	ND<0.50	ND<0.50	ND<1.0	90	--	
12/20/03	200.63	12.51	0.00	188.12	2.21	ND<50	--	ND<0.50	ND<0.50	ND<0.50	0.67	35	38	
03/25/04	200.63	12.11	0.00	188.52	0.40	ND<50	--	ND<0.3	ND<0.3	ND<0.3	ND<0.6	--	3.8	
06/22/04	200.63	13.77	0.00	186.86	-1.66	ND<50	--	ND<0.3	ND<0.3	ND<0.3	ND<0.6	2.1	1.7	
09/01/04	200.63	14.48	0.00	186.15	-0.71	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	3.1	
12/02/04	200.63	13.73	0.00	186.90	0.75	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	1.0	
03/11/05	200.63	10.85	0.00	189.78	2.88	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	1.7	
<b>MW-8D</b>														
06/28/01	201.06	15.33	--	185.73	--	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	0.56	
09/27/01	201.06	16.28	--	184.78	-0.95	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	ND<0.50	
12/27/01	201.06	11.65	--	189.41	4.63	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	1.2	
03/26/02	201.06	12.58	--	188.48	-0.93	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	ND<2.0	
06/27/02	201.06	14.95	--	186.11	-2.37	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	ND<2.0	
09/26/02	201.06	16.20	--	184.86	-1.25	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	ND<2.0	
12/26/02	201.06	11.93	--	189.13	4.27	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.0	ND<2.0	

Table 2

### HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

November 1992 Through March 2005

Former BP Oil 11249

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (µg/l)	TPPH 8260B (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE 8021B (µg/l)	MTBE 8260B (µg/l)	Comments
<b>MW-8D continued</b>														
03/27/03	201.06	12.95	--	188.11	-1.02	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.0	ND<2.0	
06/24/03	201.06	14.12	--	186.94	-1.17	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.0	ND<2.0	
09/30/03	201.06	15.38	0.00	185.68	-1.26	67	--	ND<0.50	ND<0.50	ND<0.50	1.5	ND<2.0	--	
12/20/03	201.06	13.24	0.00	187.82	2.14	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	ND<2.0	
03/25/04	201.06	12.99	0.00	188.07	0.25	ND<50	--	ND<0.3	ND<0.3	ND<0.3	ND<0.6	--	ND<0.50	
06/22/04	201.06	14.63	0.00	186.43	-1.64	ND<50	--	ND<0.3	ND<0.3	ND<0.3	ND<0.6	ND<1	ND<0.5	
09/01/04	201.06	15.21	0.00	185.85	-0.58	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	
12/02/04	201.06	14.48	0.00	186.58	0.73	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	ND<0.50	
03/11/05	201.06	11.66	0.00	189.40	2.82	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	ND<0.50	
<b>MW-8S</b>														
06/28/01	201.03	17.46	--	183.57	0.00	130	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	8.5	6.9	
D 06/28/01	201.03	17.46	--	183.57	--	--	--	--	--	--	--	--	--	
09/27/01	201.03	16.20	--	184.83	1.26	ND<2500	--	ND<25	ND<25	ND<25	ND<25	ND<120	ND<500	
12/27/01	201.03	15.65	--	185.38	0.55	50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	4.4	20	
03/26/02	201.03	15.14	--	185.89	0.51	ND<100	--	ND<1.0	ND<1.0	ND<1.0	ND<1.0	20	18	
06/27/02	201.03	15.79	--	185.24	-0.65	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	18	17	
09/26/02	201.03	17.05	--	183.98	-1.26	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	27	25	
12/26/02	201.03	14.05	--	186.98	3.00	ND<50	--	ND<0.50	0.77	ND<0.50	ND<0.50	20	22	
03/27/03	201.03	14.52	--	186.51	-0.47	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	23	29	
06/24/03	201.03	15.29	--	185.74	-0.77	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	7.6	19	
09/30/03	201.03	15.99	0.00	185.04	-0.70	80	--	ND<0.50	ND<0.50	ND<0.50	ND<1.0	19	--	
12/20/03	201.03	15.07	0.00	185.96	0.92	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	23	22	
03/25/04	201.03	13.25	0.00	187.78	1.82	160	--	ND<0.3	ND<0.3	ND<0.3	ND<0.6	--	18	
06/22/04	201.03	15.24	0.00	185.79	-1.99	69	--	ND<0.3	ND<0.3	0.49	2.3	16	19	

Table 2

### HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

November 1992 Through March 2005

Former BP Oil 11249

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (µg/l)	TPPH 8260B (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE 8021B (µg/l)	MTBE 8260B (µg/l)	Comments
<b>MW-8S continued</b>														
09/01/04	201.03	15.90	0.00	185.13	-0.66	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	14	
12/02/04	201.03	15.41	0.00	185.62	0.49	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	15	15	
03/11/05	201.03	13.70	0.00	187.33	1.71	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	14	15	
<b>MW-9D</b>														
06/28/01	200.14	15.22	--	184.92	--	ND<250	--	ND<2.5	ND<2.5	ND<2.5	ND<2.5	100	33	
09/27/01	200.14	15.45	--	184.69	-0.23	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	77	33	
12/27/01	200.14	10.88	--	189.26	4.57	ND<50	--	1.1	1.9	ND<0.50	1.1	11	9.9	
03/26/02	200.14	11.76	--	188.38	-0.88	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	6.4	5.2	
06/27/02	200.14	14.21	--	185.93	-2.45	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	2.4	
09/26/02	200.14	15.47	--	184.67	-1.26	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	3	2.6	
12/26/02	200.14	11.34	--	188.80	4.13	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	2.1	2.3	
03/27/03	200.14	12.23	--	187.91	-0.89	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	2.4	2.8	
06/24/03	200.14	13.38	--	186.76	-1.15	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.0	ND<2.0	
09/30/03	200.14	14.68	0.00	185.46	-1.30	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<2.0	--	
12/20/03	200.14	12.49	0.00	187.65	2.19	ND<50	--	ND<0.50	ND<0.50	ND<0.50	0.53	ND<5.0	2.1	
03/25/04	200.14	12.29	0.00	187.85	0.20	ND<50	--	ND<0.3	ND<0.3	ND<0.3	ND<0.6	--	ND<0.50	
06/22/04	200.14	13.76	0.00	186.38	-1.47	ND<50	--	ND<0.3	ND<0.3	ND<0.3	ND<0.6	ND<1	ND<0.5	
09/01/04	200.14	14.50	0.00	185.64	-0.74	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	
12/02/04	200.14	13.73	0.00	186.41	0.77	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	ND<0.50	
03/11/05	200.14	10.99	0.00	189.15	2.74	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	ND<0.50	
<b>MW-9S</b>														
06/28/01	200.15	8.25	--	191.90	0.00	3500	--	ND<25	ND<25	ND<25	ND<25	360	300	
D 06/28/01	200.15	8.25	--	191.90	--	--	--	--	--	--	--	--	--	
09/27/01	200.15	15.63	--	184.52	-7.38	ND<250	--	ND<2.5	ND<2.5	ND<2.5	ND<2.5	340	340	

Table 2

### HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

November 1992 Through March 2005

Former BP Oil 11249

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (µg/l)	TPPH 8260B (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE 8021B (µg/l)	MTBE 8260B (µg/l)	Comments
<b>MW-9S continued</b>														
12/27/01	200.15	11.81	--	188.34	3.82	ND<500	--	ND<5.0	ND<5.0	ND<5.0	ND<5.0	340	290	
03/26/02	200.15	12.09	--	188.06	-0.28	ND<250	--	ND<2.5	ND<2.5	ND<2.5	ND<2.5	310	300	
06/27/02	200.15	14.33	--	185.82	-2.24	ND<100	--	ND<1.0	ND<1.0	ND<1.0	ND<1.0	470	490	
09/26/02	200.15	15.59	--	184.56	-1.26	280	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	540	620	
12/26/02	200.15	11.45	--	188.70	4.14	360	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	580	660	
03/27/03	200.15	12.32	--	187.83	-0.87	ND<500	--	ND<5.0	ND<5.0	ND<5.0	ND<5.0	520	620	
06/24/03	200.15	13.41	--	186.74	-1.09	360	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	720	560	
09/30/03	200.15	14.76	0.00	185.39	-1.35	500	--	ND<5.0	ND<5.0	ND<5.0	ND<10	870	--	
12/20/03	200.15	12.74	0.00	187.41	2.02	ND<1000	--	ND<10	ND<10	ND<10	ND<10	630	750	
03/25/04	200.15	12.01	0.00	188.14	0.73	350	--	ND<0.3	ND<0.3	ND<0.3	ND<0.6	--	380	
06/22/04	200.15	13.83	0.00	186.32	-1.82	89	--	ND<0.3	ND<0.3	ND<0.3	ND<0.6	120	95	
09/01/04	200.15	14.48	0.00	185.67	-0.65	68	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	27	
12/02/04	200.15	13.51	0.00	186.64	0.97	56	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	24	15	
03/11/05	200.15	10.72	0.00	189.43	2.79	53	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	15	5.2	
<b>MW-10</b>														
06/28/01	199.54	13.28	--	186.26	--	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	ND<0.50	
09/27/01	199.54	13.92	--	185.62	-0.64	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	6.1	2.6	
12/27/01	199.54	9.04	--	190.50	4.88	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	0.52	
03/26/02	199.54	10.04	--	189.50	-1.00	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	7.2	7.2	
06/27/02	199.54	12.68	--	186.86	-2.64	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	ND<2.0	
09/26/02	199.54	13.93	--	185.61	-1.25	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	6.5	4.1	
12/26/02	199.54	9.74	--	189.80	4.19	ND<50	--	ND<0.50	1.1	ND<0.50	ND<0.50	ND<2.0	2.4	
03/27/03	199.54	10.43	--	189.11	-0.69	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	7.6	8.6	
06/24/03	199.54	11.40	--	188.14	-0.97	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	5.9	8.2	

Table 2

**HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**

November 1992 Through March 2005

Former BP Oil 11249

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (µg/l)	TPPH 8260B (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE 8021B (µg/l)	MTBE 8260B (µg/l)	Comments
MW-10 continued														
09/30/03	199.54	13.14	0.00	186.40	-1.74	85	--	ND<0.50	ND<0.50	ND<0.50	ND<1.0	7.5	--	
12/20/03	199.54	10.88	0.00	188.66	2.26	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	ND<2.0	
03/25/04	199.54	9.85	0.00	189.69	1.03	ND<50	--	ND<0.3	ND<0.3	ND<0.3	ND<0.6	--	ND<0.50	
06/22/04	199.54	12.28	0.00	187.26	-2.43	ND<50	--	ND<0.3	ND<0.3	ND<0.3	ND<0.6	ND<1	0.57	
09/01/04	199.54	12.98	0.00	186.56	-0.70	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	
12/02/04	199.54	12.16	0.00	187.38	0.82	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	ND<0.50	
03/11/05	199.54	9.43	0.00	190.11	2.73	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	ND<0.50	

**Table 3**  
**ADDITIONAL ANALYTICAL RESULTS**  
**Former BP Oil 11249**

Date Sampled	TPH-D (µg/l)	EDC (µg/l)	EDB (µg/l)	DO (mg/l)	TAME 8260B (µg/l)	TBA 8260B (µg/l)	DIPE 8260B (µg/l)	ETBE 8260B (µg/l)	Ethanol 8260B (µg/l)	TOG (mg/l)	Hexavalent Chromium (mg/l)
<b>MW-1</b>											
11/30/92	ND<50	--	--	--	--	--	--	--	--	ND<5000	--
10/07/93	ND<50	--	--	--	--	--	--	--	--	ND<5000	--
02/11/94	ND<250	--	--	3.8	--	--	--	--	--	ND<5000	--
05/20/94	ND<50	--	--	4.2	--	--	--	--	--	ND<5000	--
08/18/94	ND<50	--	--	4.2	--	--	--	--	--	ND<5000	--
11/16/94	50	--	--	9.8	--	--	--	--	--	ND<5000	--
05/18/95	ND<500	--	--	9.3	--	--	--	--	--	ND<50	--
09/21/99	--	--	--	--	ND<10	ND<500	ND<10	ND<10	--	--	--
03/28/00	--	--	--	--	ND<1.0	ND<20.0	ND<1.0	ND<1.0	ND<100	--	--
06/10/00	--	--	--	--	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<500	--	--
09/05/00	--	--	--	--	ND<2.0	ND<50	ND<2.0	ND<2.0	ND<500	--	--
12/16/00	--	--	--	--	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<1000	--	--
03/26/01	--	ND<2.0	ND<2.0	--	ND<2.0	ND<50	ND<2.0	ND<2.0	ND<500	--	--
06/28/01	--	ND<0.50	ND<0.50	--	ND<1.0	ND<20	ND<1.0	ND<1.0	ND<100	--	--
09/27/01	--	ND<0.50	ND<0.50	--	ND<1.0	ND<20	ND<1.0	ND<1.0	ND<100	--	--
12/27/01	--	ND<0.50	ND<0.50	--	ND<1.0	ND<20	ND<1.0	ND<1.0	ND<100	--	--
03/26/02	--	ND<2.0	ND<2.0	--	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<500	--	--
06/27/02	--	ND<2.0	ND<2.0	--	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<500	--	--
09/26/02	--	ND<2.0	ND<2.0	--	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<500	--	--
12/26/02	--	ND<2.0	ND<2.0	--	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<500	--	--
03/27/03	--	ND<2.0	ND<2.0	--	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<500	--	--
06/24/03	--	ND<2.0	ND<2.0	--	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<500	--	--
09/30/03	--	ND<2.0	ND<2.0	--	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<500	--	--
12/20/03	--	ND<2.0	ND<2.0	--	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<500	--	--
03/25/04	--	ND<0.50	ND<0.50	--	ND<0.50	ND<5.0	ND<1.0	ND<0.50	ND<50	--	--
06/22/04	--	ND<0.5	ND<0.5	--	ND<1	ND<12	ND<1	ND<1	ND<800	--	--

Table 3  
**ADDITIONAL ANALYTICAL RESULTS**  
**Former BP OH 11249**

Date Sampled	TPH-D (µg/l)	EDC (µg/l)	EDB (µg/l)	DO (mg/l)	TAME 8260B (µg/l)	TBA 8260B (µg/l)	DIPE 8260B (µg/l)	ETBE 8260B (µg/l)	Ethanol 8260B (µg/l)	TOG (mg/l)	Hexavalent Chromium (mg/l)
<b>MW-1 continued</b>											
09/01/04	--	ND<0.50	ND<0.50	--	ND<0.50	ND<5.0	ND<1.0	ND<0.50	ND<50	--	--
12/02/04	--	ND<0.50	ND<0.50	--	ND<0.50	ND<5.0	ND<1.0	ND<0.50	ND<50	--	--
03/11/05	--	ND<0.50	ND<0.50	--	ND<0.50	ND<5.0	ND<0.50	ND<0.50	ND<50	--	--
<b>MW-2</b>											
02/11/94	--	--	--	4.1	--	--	--	--	--	--	--
05/20/94	--	--	--	4.5	--	--	--	--	--	--	--
08/18/94	--	--	--	4.5	--	--	--	--	--	--	--
11/16/94	--	--	--	6.4	--	--	--	--	--	--	--
02/08/95	--	--	--	7.1	--	--	--	--	--	--	--
05/18/95	ND<500	--	--	9.0	--	--	--	--	--	ND<50	--
03/01/96	--	--	--	9.9	--	--	--	--	--	--	--
04/03/97	--	--	--	7.3	--	--	--	--	--	--	--
03/11/98	--	--	--	6.6	--	--	--	--	--	--	--
09/21/99	--	--	--	--	ND<10	ND<500	ND<10	ND<10	--	--	--
03/28/00	--	--	--	--	ND<4.0	ND<80.0	ND<4.0	ND<4.0	ND<400	--	--
06/10/00	--	--	--	--	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<500	--	--
09/05/00	--	--	--	--	ND<2.0	ND<50	ND<2.0	ND<2.0	ND<500	--	--
12/16/00	--	--	--	--	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<1000	--	--
03/26/01	--	ND<2.0	ND<2.0	--	ND<2.0	ND<50	ND<2.0	ND<2.0	ND<500	--	--
06/28/01	--	ND<0.50	ND<0.50	--	ND<1.0	ND<20	ND<1.0	ND<1.0	ND<100	--	--
09/27/01	--	ND<1.0	ND<1.0	--	ND<2.0	ND<40	ND<2.0	ND<2.0	ND<200	--	--
12/27/01	--	ND<0.50	ND<0.50	--	ND<1.0	ND<20	ND<1.0	ND<1.0	ND<100	--	--
03/26/02	--	ND<4.0	ND<4.0	--	ND<4.0	ND<200	ND<4.0	ND<4.0	ND<1000	--	--
06/27/02	--	ND<10	ND<10	--	ND<10	ND<500	ND<10	ND<10	ND<2500	--	--
09/26/02	--	ND<2.0	ND<2.0	--	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<500	--	--
12/26/02	--	ND<2.0	ND<2.0	--	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<500	--	--

Table 3  
**ADDITIONAL ANALYTICAL RESULTS**  
**Former BP Oil 11249**

Date Sampled	TPH-D (µg/l)	EDC (µg/l)	EDB (µg/l)	DO (mg/l)	TAME 8260B (µg/l)	TBA 8260B (µg/l)	DIPE 8260B (µg/l)	ETBE 8260B (µg/l)	Ethanol 8260B (µg/l)	TOG (mg/l)	Hexavalent Chromium (mg/l)
<b>MW-2 continued</b>											
03/27/03	--	ND<2.0	ND<2.0	--	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<500	--	--
06/24/03	--	ND<2.0	ND<2.0	--	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<500	--	--
09/30/03	--	ND<2.0	ND<2.0	--	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<500	--	--
12/20/03	--	ND<2.0	ND<2.0	--	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<500	--	--
03/25/04	--	ND<0.50	ND<0.50	--	ND<0.50	9.2	ND<1.0	ND<0.50	ND<50	--	--
06/22/04	--	ND<0.5	ND<0.5	--	ND<1	ND<12	ND<1	ND<1	ND<800	--	--
09/01/04	--	ND<0.50	ND<0.50	--	ND<0.50	ND<5.0	ND<1.0	ND<0.50	ND<50	--	--
12/02/04	--	ND<0.50	ND<0.50	--	ND<0.50	ND<5.0	ND<1.0	ND<0.50	ND<50	--	--
03/11/05	--	ND<0.50	ND<0.50	--	ND<0.50	ND<5.0	ND<0.50	ND<0.50	ND<50	--	--
<b>MW-3</b>											
02/11/94	--	--	--	3.6	--	--	--	--	--	--	--
05/20/94	--	--	--	4.3	--	--	--	--	--	--	--
08/18/94	--	--	--	4.4	--	--	--	--	--	--	--
11/16/94	--	--	--	9.2	--	--	--	--	--	--	--
05/18/95	ND<500	--	--	9.2	--	--	--	--	--	ND<50	--
09/21/99	--	--	--	--	ND<10	ND<500	ND<10	ND<10	--	--	--
03/28/00	--	--	--	--	ND<1.0	ND<20.0	ND<1.0	ND<1.0	ND<100	--	--
06/10/00	--	--	--	--	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<500	--	--
09/05/00	--	--	--	--	ND<2.0	ND<50	ND<2.0	ND<2.0	ND<500	--	--
12/16/00	--	--	--	--	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<1000	--	--
03/26/01	--	ND<2.0	ND<2.0	--	ND<2.0	ND<50	ND<2.0	ND<2.0	ND<500	--	--
06/28/01	--	ND<0.50	ND<0.50	--	ND<1.0	ND<20	ND<1.0	ND<1.0	ND<100	--	--
09/27/01	--	ND<0.50	ND<0.50	--	ND<1.0	ND<20	ND<1.0	ND<1.0	ND<100	--	--
12/27/01	--	ND<0.50	ND<0.50	--	ND<1.0	ND<20	ND<1.0	ND<1.0	ND<100	--	--
03/26/02	--	ND<2.0	ND<2.0	--	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<500	--	--
06/27/02	--	ND<2.0	ND<2.0	--	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<500	--	--

Table 3  
**ADDITIONAL ANALYTICAL RESULTS**  
**Former BP Oil 11249**

Date Sampled	TPH-D (µg/l)	EDC (µg/l)	EDB (µg/l)	DO (mg/l)	TAME 8260B (µg/l)	TBA 8260B (µg/l)	DIPE 8260B (µg/l)	ETBE 8260B (µg/l)	Ethanol 8260B (µg/l)	TOG (mg/l)	Hexavalent Chromium (mg/l)
MW-3 continued											
09/26/02	--	ND<2.0	ND<2.0	--	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<500	--	--
12/26/02	--	ND<2.0	ND<2.0	--	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<500	--	--
03/27/03	--	ND<2.0	ND<2.0	--	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<500	--	--
06/24/03	--	ND<2.0	ND<2.0	--	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<500	--	--
09/30/03	--	ND<2.0	ND<2.0	--	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<500	--	--
12/20/03	--	ND<2.0	ND<2.0	--	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<500	--	--
03/25/04	--	ND<0.50	ND<0.50	--	ND<0.50	ND<5.0	ND<1.0	ND<0.50	ND<50	--	--
06/22/04	--	ND<0.5	ND<0.5	--	ND<1	ND<12	ND<1	ND<1	ND<800	--	--
09/01/04	--	ND<0.50	ND<0.50	--	ND<0.50	ND<5.0	ND<1.0	ND<0.50	ND<50	--	ND<0.010
12/02/04	--	ND<0.50	ND<0.50	--	ND<0.50	ND<5.0	ND<1.0	ND<0.50	ND<50	--	--
03/11/05	--	ND<0.50	ND<0.50	--	ND<0.50	ND<5.0	ND<0.50	ND<0.50	ND<50	--	--
MW-4											
02/11/94	--	--	--	4.0	--	--	--	--	--	--	--
05/20/94	--	--	--	4.5	--	--	--	--	--	--	--
08/18/94	--	--	--	4.3	--	--	--	--	--	--	--
11/16/94	--	--	--	7.9	--	--	--	--	--	--	--
05/18/95	ND<500	--	--	9.4	--	--	--	--	--	870	--
03/01/96	--	--	--	9.6	--	--	--	--	--	--	--
04/03/97	--	--	--	7.3	--	--	--	--	--	--	--
03/11/98	--	--	--	6.9	--	--	--	--	--	--	--
09/21/99	--	--	--	--	420	ND<500	ND<10	ND<10	--	--	--
03/28/00	--	--	--	--	ND<400	ND<8000	ND<400	ND<400	ND<40000	--	--
06/10/00	--	--	--	--	270	ND<1000	ND<2.0	ND<2.0	ND<5000	--	--
09/05/00	--	--	--	--	230	ND<250	ND<10	ND<10	ND<2500	--	--
12/16/00	--	--	--	--	685	ND<25000	ND<500	ND<500	ND<250000	--	--
03/26/01	--	ND<100	ND<100	--	230	ND<2500	ND<100	ND<100	ND<25000	--	--

**Table 3**  
**ADDITIONAL ANALYTICAL RESULTS**  
**Former BP Oil 11249**

Date Sampled	TPH-D (µg/l)	EDC (µg/l)	EDB (µg/l)	DO (mg/l)	TAME 8260B (µg/l)	TBA 8260B (µg/l)	DIPE 8260B (µg/l)	ETBE 8260B (µg/l)	Ethanol 8260B (µg/l)	TOG (mg/l)	Hexavalent Chromium (mg/l)
<b>MW-4 continued</b>											
06/28/01	--	ND<1200	ND<1200	--	ND<2500	ND<50000	ND<2500	ND<2500	ND<250000	--	--
09/27/01	--	ND<1000	ND<1000	--	ND<2000	ND<40000	ND<2000	ND<2000	ND<200000	--	--
12/27/01	--	ND<100	ND<100	--	ND<200	ND<4000	ND<200	ND<200	ND<20000	--	--
03/26/02	--	ND<1000	ND<1000	--	ND<1000	ND<50000	ND<1000	ND<1000	ND<250000	--	--
06/27/02	--	ND<50	ND<50	--	ND<50	24000	ND<50	ND<50	ND<12000	--	--
09/26/02	--	ND<10	ND<10	--	21	19000	ND<10	ND<10	ND<1000	--	--
12/26/02	--	ND<40	ND<40	--	41	4300	ND<40	ND<40	ND<10000	--	--
03/27/03	--	ND<2.0	ND<2.0	--	ND<2.0	4400	ND<2.0	ND<2.0	ND<500	--	--
06/24/03	--	ND<10	ND<10	--	ND<10	2300	ND<10	ND<10	ND<2500	--	--
09/30/03	--	ND<20	ND<20	--	ND<20	15000	ND<20	ND<20	ND<5000	--	--
12/20/03	--	ND<2.0	ND<2.0	--	ND<2.0	ND<2500	ND<2.0	ND<2.0	ND<500	--	--
03/25/04	--	ND<2.5	ND<2.5	--	ND<2.5	3300	ND<5.0	ND<2.5	ND<250	--	--
06/22/04	--	ND<0.5	ND<0.5	--	ND<1	1800	ND<1	ND<1	ND<800	--	--
09/01/04	--	ND<0.50	ND<0.50	--	ND<0.50	830	ND<1.0	ND<0.50	ND<50	--	--
12/02/04	--	ND<0.50	ND<0.50	--	ND<0.50	610	ND<1.0	ND<0.50	ND<50	--	--
03/11/05	--	ND<0.50	ND<0.50	--	ND<0.50	240	ND<0.50	ND<0.50	ND<50	--	--
<b>MW-5</b>											
03/28/00	--	--	--	--	ND<1.00	ND<20.0	ND<1.00	ND<1.00	ND<100	--	--
06/10/00	--	--	--	--	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<500	--	--
09/05/00	--	--	--	--	ND<2.0	ND<50	ND<2.0	ND<2.0	ND<500	--	--
12/16/00	--	--	--	--	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<1000	--	--
03/26/01	--	ND<2.0	ND<2.0	--	ND<2.0	ND<50	ND<2.0	ND<2.0	ND<500	--	--
06/28/01	--	ND<0.50	ND<0.50	--	ND<1.0	ND<20	ND<1.0	ND<1.0	ND<100	--	--
09/27/01	--	ND<0.50	ND<0.50	--	ND<1.0	ND<20	ND<1.0	ND<1.0	ND<100	--	--
12/27/01	--	ND<0.50	ND<0.50	--	ND<1.0	ND<20	ND<1.0	ND<1.0	ND<100	--	--
03/26/02	--	ND<2.0	ND<2.0	--	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<500	--	--

**Table 3**  
**ADDITIONAL ANALYTICAL RESULTS**  
**Former BP Oil 11249**

Date Sampled	TPH-D (µg/l)	EDC (µg/l)	EDB (µg/l)	DO (mg/l)	TAME 8260B (µg/l)	TBA 8260B (µg/l)	DIPE 8260B (µg/l)	ETBE 8260B (µg/l)	Ethanol 8260B (µg/l)	TOG (mg/l)	Hexavalent Chromium (mg/l)
<b>MW-5 continued</b>											
06/27/02	--	ND<2.0	ND<2.0	--	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<500	--	--
09/26/02	--	ND<2.0	ND<2.0	--	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<500	--	--
12/26/02	--	ND<2.0	ND<2.0	--	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<500	--	--
03/27/03	--	ND<2.0	ND<2.0	--	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<500	--	--
06/24/03	--	ND<2.0	ND<2.0	--	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<500	--	--
09/30/03	--	ND<2.0	ND<2.0	--	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<500	--	--
12/20/03	--	ND<2.0	ND<2.0	--	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<500	--	--
03/25/04	--	ND<0.50	ND<0.50	--	ND<0.50	ND<5.0	ND<1.0	ND<0.50	ND<50	--	--
06/22/04	--	ND<0.5	ND<0.5	--	ND<1	ND<12	ND<1	ND<1	ND<800	--	--
09/01/04	--	ND<0.50	ND<0.50	--	ND<0.50	ND<5.0	ND<1.0	ND<0.50	ND<50	--	--
12/02/04	--	ND<0.50	ND<0.50	--	ND<0.50	ND<5.0	ND<1.0	ND<0.50	ND<50	--	--
03/11/05	--	ND<0.50	ND<0.50	--	ND<0.50	ND<5.0	ND<0.50	ND<0.50	ND<50	--	--
<b>MW-6</b>											
03/28/00	--	--	--	--	ND<10.0	ND<200	ND<10.0	ND<10.0	ND<1000	--	--
06/10/00	--	--	--	--	ND<2.0	210	ND<2.0	ND<2.0	ND<500	--	--
09/05/00	--	--	--	--	ND<2.0	240	ND<2.0	ND<2.0	ND<500	--	--
12/16/00	--	--	--	--	ND<5.00	ND<250	ND<5.00	ND<5.00	ND<2500	--	--
03/26/01	--	ND<2.0	ND<2.0	--	ND<2.0	150	ND<2.0	ND<2.0	ND<500	--	--
06/28/01	--	ND<5.0	ND<5.0	--	ND<10	ND<200	ND<10	ND<10	ND<1000	--	--
09/27/01	--	ND<12	ND<12	--	ND<25	ND<500	ND<25	ND<25	ND<2500	--	--
12/27/01	--	ND<2.5	ND<2.5	--	ND<5.0	ND<100	ND<5.0	ND<5.0	ND<500	--	--
03/26/02	--	ND<10	ND<10	--	ND<10	ND<500	ND<10	ND<10	ND<2500	--	--
06/27/02	--	ND<10	ND<10	--	ND<10	ND<500	ND<10	ND<10	ND<2500	--	--
09/26/02	--	ND<2.0	ND<2.0	--	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<500	--	--
12/26/02	--	ND<2.0	ND<2.0	--	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<500	--	--
03/27/03	--	ND<2.0	ND<2.0	--	ND<2.0	110	ND<2.0	ND<2.0	ND<500	--	--

Table 3  
**ADDITIONAL ANALYTICAL RESULTS**  
**Former BP Oil 11249**

Date Sampled	TPH-D (µg/l)	EDC (µg/l)	EDB (µg/l)	DO (mg/l)	TAME 8260B (µg/l)	TBA 8260B (µg/l)	DIPE 8260B (µg/l)	ETBE 8260B (µg/l)	Ethanol 8260B (µg/l)	TOG (mg/l)	Hexavalent Chromium (mg/l)
<b>MW-6 continued</b>											
06/24/03	--	ND<2.0	ND<2.0	--	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<500	--	--
09/30/03	--	ND<2.0	ND<2.0	--	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<500	--	--
12/20/03	--	ND<2.0	ND<2.0	--	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<500	--	--
03/25/04	--	ND<0.50	ND<0.50	--	84	84	ND<1.0	ND<0.50	ND<50	--	--
06/22/04	--	ND<0.5	ND<0.5	--	110	110	ND<1	ND<1	ND<800	--	--
09/01/04	--	ND<0.50	ND<0.50	--	89	89	ND<1.0	ND<0.50	ND<50	--	ND<0.010
12/02/04	--	ND<0.50	ND<0.50	--	130	130	ND<1.0	ND<0.50	ND<50	--	--
03/11/05	--	ND<0.50	ND<0.50	--	150	150	ND<0.50	ND<0.50	ND<50	--	--
<b>MW-7</b>											
03/28/00	--	--	--	--	ND<100	ND<2000	ND<100	ND<100	ND<10000	--	--
06/10/00	--	--	--	--	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<500	--	--
09/05/00	--	--	--	--	ND<100	ND<2500	ND<100	ND<100	ND<25000	--	--
12/16/00	--	--	--	--	181	ND<5000	ND<100	ND<100	ND<50000	--	--
03/26/01	--	ND<2.0	ND<2.0	--	75	1800	ND<2.0	ND<2.0	ND<500	--	--
06/28/01	--	ND<500	ND<500	--	ND<1000	ND<20000	ND<1000	ND<1000	ND<100000	--	--
09/27/01	--	ND<500	ND<500	--	ND<1000	ND<20000	ND<1000	ND<1000	ND<100000	--	--
12/27/01	--	ND<500	ND<500	--	ND<1000	ND<20000	ND<1000	ND<1000	ND<100000	--	--
03/26/02	--	ND<400	ND<400	--	ND<400	ND<20000	ND<400	ND<400	ND<100000	--	--
06/27/02	--	ND<2000	ND<2000	--	ND<2000	ND<100000	ND<2000	ND<2000	ND<500000	--	--
09/26/02	--	ND<5.0	ND<5.0	--	85	1000	ND<5.0	ND<5.0	ND<5000	--	--
12/26/02	--	ND<100	ND<100	--	ND<100	ND<5000	ND<100	ND<100	ND<25000	--	--
03/27/03	--	ND<80	ND<80	--	ND<80	ND<4000	ND<80	ND<80	ND<20000	--	--
06/24/03	--	ND<10	ND<10	--	35	1100	ND<10	ND<10	ND<2500	--	--
09/30/03	--	ND<80	ND<80	--	ND<80	ND<4000	ND<80	ND<80	ND<20000	--	--
12/20/03	--	ND<40	ND<40	--	ND<40	2800	ND<40	ND<40	ND<10000	--	--
03/25/04	--	ND<2.5	ND<2.5	--	ND<2.5	970	ND<5.0	ND<2.5	ND<250	--	--

**Table 3**  
**ADDITIONAL ANALYTICAL RESULTS**  
**Former BP Oil 11249**

Date Sampled	TPH-D (µg/l)	EDC (µg/l)	EDB (µg/l)	DO (mg/l)	TAME 8260B (µg/l)	TBA 8260B (µg/l)	DIPE 8260B (µg/l)	ETBE 8260B (µg/l)	Ethanol 8260B (µg/l)	TOG (mg/l)	Hexavalent Chromium (mg/l)
<b>MW-7 continued</b>											
06/22/04	--	ND<0.5	ND<0.5	--	2.1	1200	ND<1	ND<1	ND<800	--	--
09/01/04	--	ND<0.5	ND<0.5	--	1.5	600	ND<1.0	ND<0.5	ND<50	--	--
12/02/04	--	ND<0.5	ND<0.5	--	0.95	2300	ND<1.0	ND<0.5	ND<50	--	--
03/11/05	--	ND<2.5	ND<2.5	--	ND<2.5	2000	ND<2.5	ND<2.5	ND<250	--	--
<b>MW-7D</b>											
06/28/01	--	ND<1.2	ND<1.2	--	ND<2.5	ND<50	ND<2.5	ND<2.5	ND<250	--	--
09/27/01	--	ND<0.5	ND<0.5	--	ND<1.0	ND<20	ND<1.0	ND<1.0	ND<100	--	--
12/27/01	--	ND<0.5	ND<0.5	--	ND<1.0	ND<20	ND<1.0	ND<1.0	ND<100	--	--
03/26/02	--	ND<2.0	ND<2.0	--	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<500	--	--
06/27/02	--	ND<2.0	ND<2.0	--	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<500	--	--
09/26/02	--	ND<2.0	ND<2.0	--	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<500	--	--
12/26/02	--	ND<2.0	ND<2.0	--	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<500	--	--
03/27/03	--	ND<2.0	ND<2.0	--	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<500	--	--
06/24/03	--	ND<2.0	ND<2.0	--	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<500	--	--
09/30/03	--	ND<2.0	ND<2.0	--	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<500	--	--
12/20/03	--	ND<2.0	ND<2.0	--	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<500	--	--
03/25/04	--	ND<0.5	ND<0.5	--	ND<0.5	ND<5.0	ND<1.0	ND<0.5	ND<50	--	--
06/22/04	--	ND<0.5	ND<0.5	--	ND<1	ND<12	ND<1	ND<1	ND<800	--	--
09/01/04	--	ND<0.5	ND<0.5	--	ND<0.5	ND<5.0	ND<1.0	ND<0.5	ND<50	--	--
12/02/04	--	ND<0.5	ND<0.5	--	ND<0.5	ND<5.0	ND<1.0	ND<0.5	ND<50	--	--
03/11/05	--	ND<0.5	ND<0.5	--	ND<0.5	ND<5.0	ND<0.5	ND<0.5	ND<50	--	--
<b>MW-8D</b>											
06/28/01	--	ND<0.5	ND<0.5	--	ND<1.0	ND<20	ND<1.0	ND<1.0	1200	--	--
09/27/01	--	ND<0.5	ND<0.5	--	ND<1.0	ND<20	ND<1.0	ND<1.0	ND<100	--	--
12/27/01	--	ND<0.5	ND<0.5	--	ND<1.0	ND<20	ND<1.0	ND<1.0	ND<100	--	--
03/26/02	--	ND<2.0	ND<2.0	--	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<500	--	--

Table 3  
**ADDITIONAL ANALYTICAL RESULTS**  
**Former BP Oil 11249**

Date Sampled	TPH-D (µg/l)	EDC (µg/l)	EDB (µg/l)	DO (mg/l)	TAME 8260B (µg/l)	TBA 8260B (µg/l)	DIPE 8260B (µg/l)	ETBE 8260B (µg/l)	Ethanol 8260B (µg/l)	TOG (mg/l)	Hexavalent Chromium (mg/l)
<b>MW-8D</b>											
06/27/02	continued	ND<2.0	ND<2.0	--	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<500	--	--
09/26/02	--	ND<2.0	ND<2.0	--	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<500	--	--
12/26/02	--	ND<2.0	ND<2.0	--	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<500	--	--
03/27/03	--	ND<2.0	ND<2.0	--	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<500	--	--
06/24/03	--	ND<2.0	ND<2.0	--	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<500	--	--
09/30/03	--	ND<2.0	ND<2.0	--	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<500	--	--
12/20/03	--	ND<2.0	ND<2.0	--	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<500	--	--
03/25/04	--	ND<0.50	ND<0.50	--	ND<0.50	ND<5.0	ND<1.0	ND<0.50	ND<50	--	--
06/22/04	--	ND<0.5	ND<0.5	--	ND<1	ND<12	ND<1	ND<1	ND<800	--	--
09/01/04	--	ND<0.50	ND<0.50	--	ND<0.50	ND<5.0	ND<1.0	ND<0.50	ND<50	--	--
12/02/04	--	ND<0.50	ND<0.50	--	ND<0.50	ND<5.0	ND<1.0	ND<0.50	ND<50	--	--
03/11/05	--	ND<0.50	ND<0.50	--	ND<0.50	ND<5.0	ND<0.50	ND<0.50	ND<50	--	--
<b>MW-8S</b>											
06/28/01	--	--	--	--	--	--	--	--	220000	--	--
06/28/01	--	ND<0.50	ND<0.50	--	ND<1.0	ND<20	ND<1.0	ND<1.0	140000	--	--
09/27/01	--	ND<500	ND<500	--	ND<1000	ND<20000	ND<1000	ND<1000	ND<1000000	--	--
12/27/01	--	ND<5.0	ND<5.0	--	ND<10	ND<200	ND<10	ND<10	ND<1000	--	--
03/26/02	--	ND<2.0	ND<2.0	--	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<500	--	--
06/27/02	--	ND<2.0	ND<2.0	--	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<500	--	--
09/26/02	--	ND<2.0	ND<2.0	--	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<500	--	--
12/26/02	--	ND<2.0	ND<2.0	--	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<500	--	--
03/27/03	--	ND<2.0	ND<2.0	--	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<500	--	--
06/24/03	--	ND<2.0	ND<2.0	--	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<500	--	--
09/30/03	--	ND<2.0	ND<2.0	--	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<500	--	--
12/20/03	--	ND<2.0	ND<2.0	--	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<500	--	--
03/25/04	--	ND<0.50	ND<0.50	--	ND<0.50	ND<5.0	ND<1.0	ND<0.50	ND<50	--	--

**Table 3**  
**ADDITIONAL ANALYTICAL RESULTS**  
**Former BP Oil 11249**

Date Sampled	TPH-D (µg/l)	EDC (µg/l)	EDB (µg/l)	DO (mg/l)	TAME 8260B (µg/l)	TBA 8260B (µg/l)	DIPE 8260B (µg/l)	ETBE 8260B (µg/l)	Ethanol 8260B (µg/l)	TOG (mg/l)	Hexavalent Chromium (mg/l)
<b>MW-8S</b>											
06/22/04	--	ND<0.5	ND<0.5	--	ND<1	ND<12	ND<1	ND<1	ND<800	--	--
09/01/04	--	ND<0.5	ND<0.5	--	ND<0.5	ND<5.0	ND<1.0	ND<0.5	ND<50	--	ND<0.010
12/02/04	--	ND<0.5	ND<0.5	--	ND<0.5	ND<5.0	ND<1.0	ND<0.5	ND<50	--	--
03/11/05	--	ND<0.5	ND<0.5	--	ND<0.5	6.6	ND<0.5	ND<0.5	ND<50	--	--
<b>MW-9D</b>											
06/28/01	--	ND<2.5	ND<2.5	--	ND<5.0	ND<100	ND<5.0	ND<5.0	ND<500	--	--
09/27/01	--	ND<10	ND<10	--	ND<20	ND<400	ND<20	ND<20	ND<2000	--	--
12/27/01	--	ND<0.5	ND<0.5	--	ND<1.0	ND<20	ND<1.0	ND<1.0	ND<100	--	--
03/26/02	--	ND<2.0	ND<2.0	--	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<500	--	--
06/27/02	--	ND<2.0	ND<2.0	--	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<500	--	--
09/26/02	--	ND<2.0	ND<2.0	--	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<500	--	--
12/26/02	--	ND<2.0	ND<2.0	--	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<500	--	--
03/27/03	--	ND<2.0	ND<2.0	--	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<500	--	--
06/24/03	--	ND<2.0	ND<2.0	--	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<500	--	--
09/30/03	--	ND<2.0	ND<2.0	--	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<500	--	--
12/20/03	--	ND<2.0	ND<2.0	--	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<500	--	--
03/25/04	--	ND<0.5	ND<0.5	--	ND<0.5	ND<5.0	ND<1.0	ND<0.5	ND<50	--	--
06/22/04	--	ND<0.5	ND<0.5	--	ND<1	ND<12	ND<1	ND<1	ND<800	--	--
09/01/04	--	ND<0.5	ND<0.5	--	ND<0.5	ND<5.0	ND<1.0	ND<0.5	ND<50	--	--
12/02/04	--	ND<0.5	ND<0.5	--	ND<0.5	ND<5.0	ND<1.0	ND<0.5	ND<50	--	--
03/11/05	--	ND<0.5	ND<0.5	--	ND<0.5	ND<5.0	ND<0.5	ND<0.5	ND<50	--	--
<b>MW-9S</b>											
06/28/01	--	--	--	--	--	--	--	--	150000	--	--
06/28/01	--	ND<5.0	ND<5.0	--	ND<10	ND<200	ND<10	ND<10	150000	--	--
09/27/01	--	ND<100	ND<100	--	ND<200	ND<4000	ND<200	ND<200	ND<20000	--	--
12/27/01	--	ND<5.0	ND<5.0	--	ND<10	ND<200	ND<10	ND<10	ND<1000	--	--

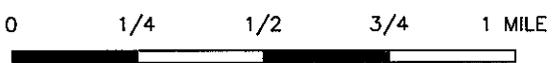
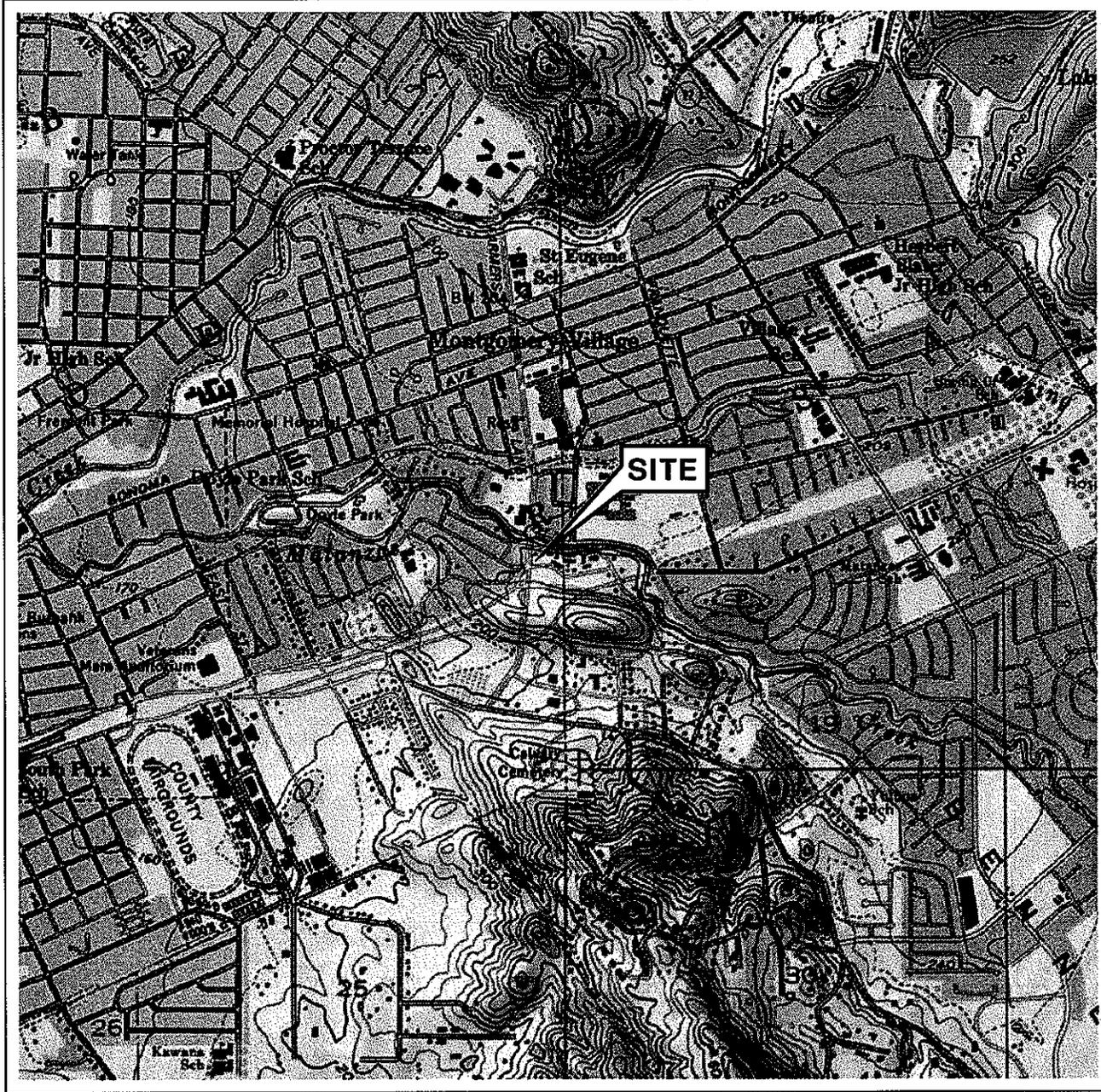
**Table 3**  
**ADDITIONAL ANALYTICAL RESULTS**  
**Former BP Oil 11249**

Date Sampled	TPH-D (µg/l)	EDC (µg/l)	EDB (µg/l)	DO (mg/l)	TAME 8260B (µg/l)	TBA 8260B (µg/l)	DIPE 8260B (µg/l)	ETBE 8260B (µg/l)	Ethanol 8260B (µg/l)	TOG (mg/l)	Hexavalent Chromium (mg/l)
<b>MW-9S continued</b>											
03/26/02	--	ND<40	ND<40	--	ND<40	ND<2000	ND<40	ND<40	ND<10000	--	--
06/27/02	--	ND<40	ND<40	--	ND<40	ND<2000	ND<40	ND<40	ND<10000	--	--
09/26/02	--	ND<2.0	ND<2.0	--	3.9	ND<100	ND<2.0	ND<2.0	ND<500	--	--
12/26/02	--	ND<20	ND<20	--	ND<20	ND<1000	ND<20	ND<20	ND<5000	--	--
03/27/03	--	ND<10	ND<10	--	ND<10	ND<500	ND<10	ND<10	ND<2500	--	--
06/24/03	--	ND<20	ND<20	--	ND<20	ND<1000	ND<20	ND<20	ND<5000	--	--
09/30/03	--	ND<20	ND<20	--	ND<20	ND<1000	ND<20	ND<20	ND<5000	--	--
12/20/03	--	ND<20	ND<20	--	ND<20	ND<1000	ND<20	ND<20	ND<5000	--	--
03/25/04	--	ND<1.0	ND<1.0	--	ND<1.0	630	ND<2.0	ND<1.0	ND<100	--	--
06/22/04	--	ND<0.5	ND<0.5	--	ND<1	800	ND<1	ND<1	ND<800	--	--
09/01/04	--	ND<0.50	ND<0.50	--	ND<0.50	680	ND<1.0	ND<0.50	ND<50	--	ND<0.010
12/02/04	--	ND<0.50	ND<0.50	--	ND<0.50	780	ND<1.0	ND<0.50	ND<50	--	--
03/11/05	--	ND<0.50	ND<0.50	--	ND<0.50	610	ND<0.50	ND<0.50	ND<50	--	--
<b>MW-10</b>											
06/28/01	--	ND<0.50	ND<0.50	--	ND<1.0	ND<20	ND<1.0	ND<1.0	ND<100	--	--
09/27/01	--	ND<0.50	ND<0.50	--	ND<1.0	ND<20	ND<1.0	ND<1.0	ND<100	--	--
12/27/01	--	ND<0.50	ND<0.50	--	ND<1.0	ND<20	ND<1.0	ND<1.0	ND<100	--	--
03/26/02	--	ND<2.0	ND<2.0	--	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<500	--	--
06/27/02	--	ND<2.0	ND<2.0	--	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<500	--	--
09/26/02	--	ND<2.0	ND<2.0	--	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<500	--	--
12/26/02	--	ND<2.0	ND<2.0	--	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<500	--	--
03/27/03	--	ND<2.0	ND<2.0	--	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<500	--	--
06/24/03	--	ND<2.0	ND<2.0	--	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<500	--	--
09/30/03	--	ND<2.0	ND<2.0	--	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<500	--	--
12/20/03	--	ND<2.0	ND<2.0	--	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<500	--	--
03/25/04	--	ND<0.50	ND<0.50	--	ND<0.50	ND<5.0	ND<1.0	ND<0.50	ND<50	--	--

Table 3  
**ADDITIONAL ANALYTICAL RESULTS**  
**Former BP Oil 11249**

Date Sampled	TPH-D (µg/l)	EDC (µg/l)	EDB (µg/l)	DO (mg/l)	TAME 8260B (µg/l)	TBA 8260B (µg/l)	DIPE 8260B (µg/l)	ETBE 8260B (µg/l)	Ethanol 8260B (µg/l)	TOG (mg/l)	Hexavalent Chromium (mg/l)
MW-10	continued										
06/22/04	--	ND<0.5	ND<0.5	--	ND<1	ND<12	ND<1	ND<1	ND<800	--	--
09/01/04	--	ND<0.50	ND<0.50	--	ND<0.50	ND<5.0	ND<1.0	ND<0.50	ND<50	--	ND<0.010
12/02/04	--	ND<0.50	ND<0.50	--	ND<0.50	ND<5.0	ND<1.0	ND<0.50	ND<50	--	--
03/11/05	--	ND<0.50	ND<0.50	--	ND<0.50	ND<5.0	ND<0.50	ND<0.50	ND<50	--	--

# FIGURES



SCALE 1:24,000



**VICINITY MAP**

Former BP Oil 11249  
 1300 Farmers Lane  
 Santa Rosa, California

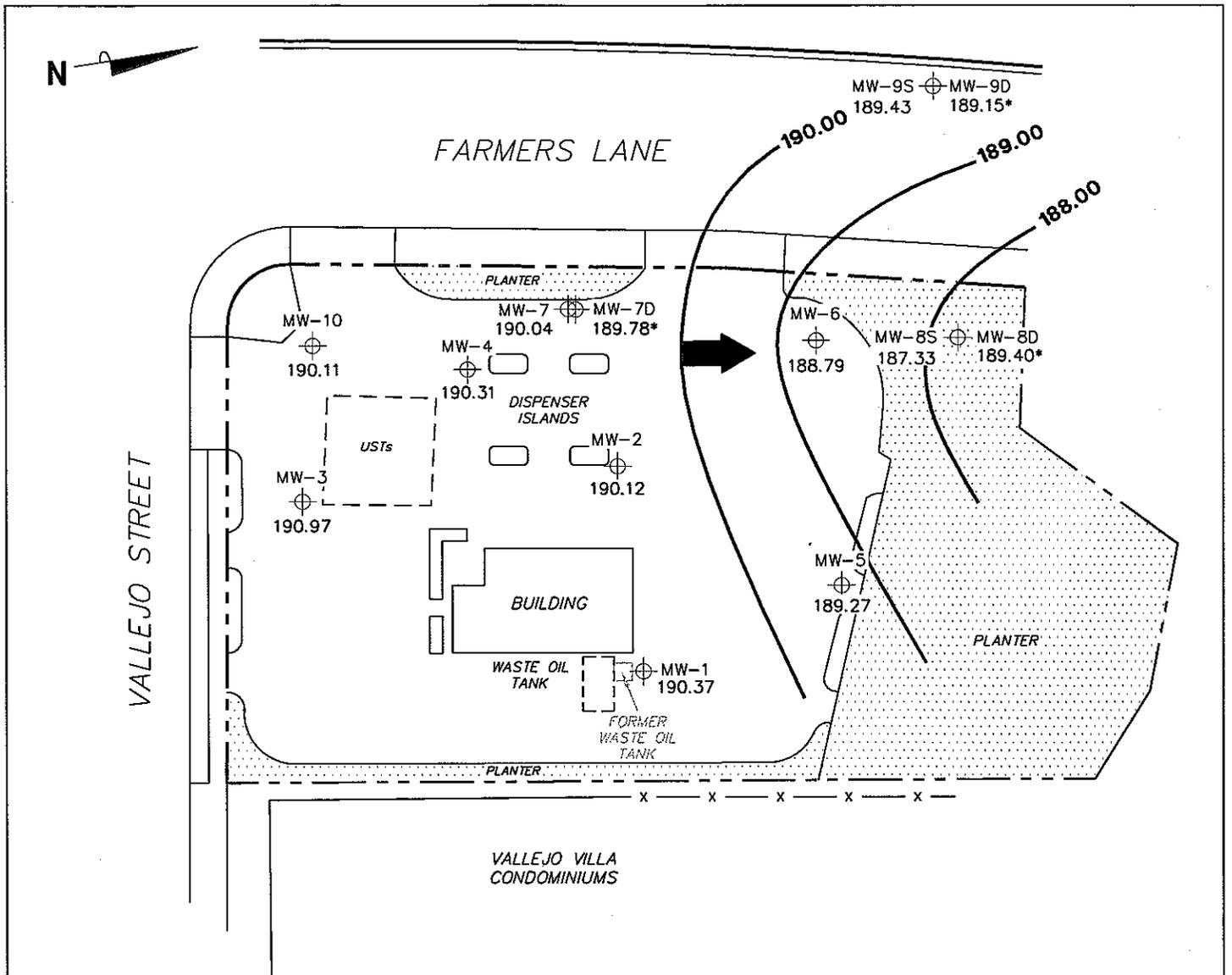
**SOURCE:**

United States Geological Survey  
 7.5 Minute Topographic Map:  
 Santa Rosa Quadrangle

**FIGURE 1**

**TRC**

PS = 1:1



**NOTES:**

Contour lines are interpretive and based on fluid levels measured in monitoring wells. Elevations are in feet above mean sea level. UST = underground storage tank. \* = not included in groundwater contour interpretation.

**LEGEND**

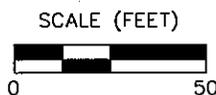
MW-10 ⊕ Monitoring Well with Groundwater Elevation (feet)

190.00 — Groundwater Elevation Contour

➔ General Direction of Groundwater Flow

**GROUNDWATER ELEVATION CONTOUR MAP  
March 11, 2005**

Former BP Oil 11249  
1300 Farmers Lane  
Santa Rosa, California



**FIGURE 2**

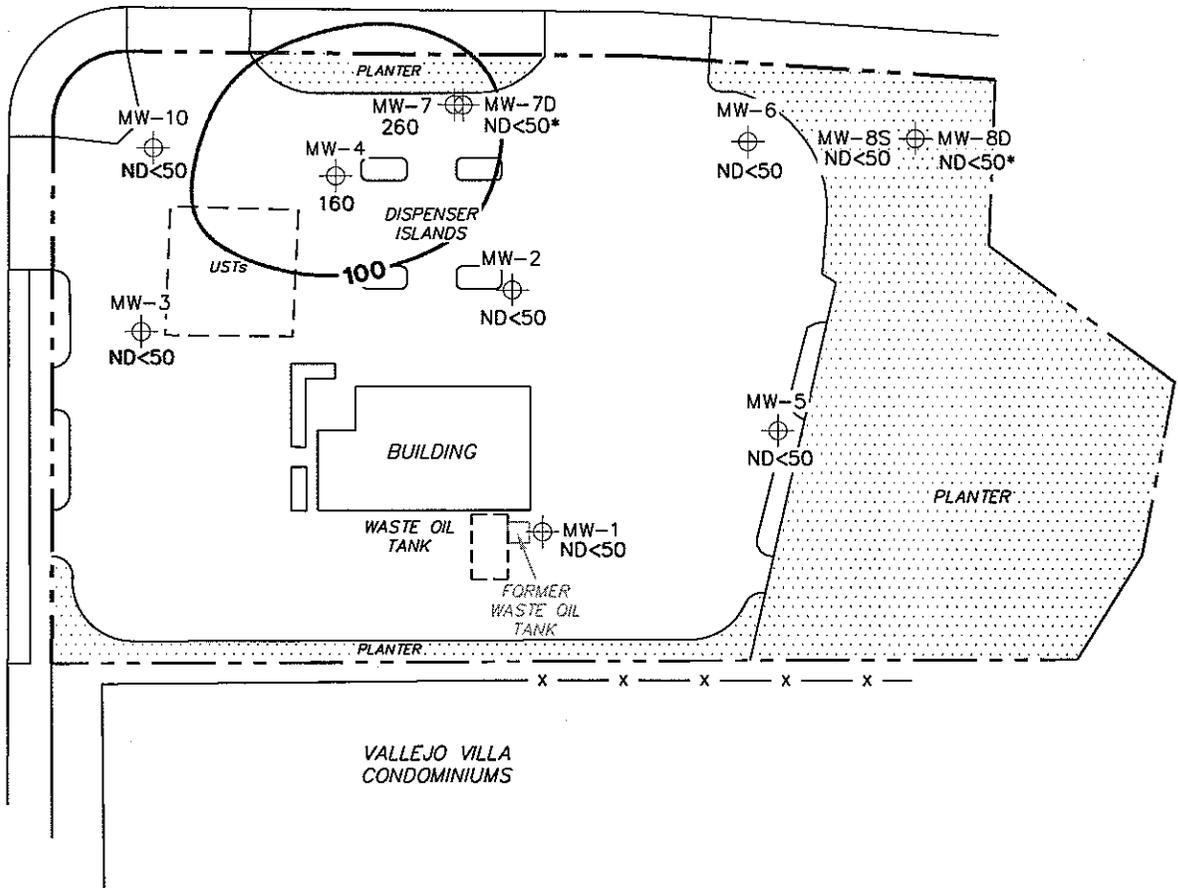
PS-1:11249-003



MW-9S 53 ⊕ MW-9D ND<50\*

FARMERS LANE

VALLEJO STREET



**NOTES:**

Contour lines are interpretive and based on laboratory analysis results of groundwater samples.  
 TPH-G = total petroleum hydrocarbons as gasoline.  
 µg/l = micrograms per liter. ND = not detected at limit indicated on official laboratory report.  
 UST = underground storage tank. Results obtained using EPA Method 8260B. \* = not included in contour interpretation.

**LEGEND**

- MW-10 ⊕ Monitoring Well with Dissolved-Phase TPH-G Concentration (µg/l)
- 100- Dissolved-Phase TPH-G Contour (µg/l)

**DISSOLVED-PHASE TPH-G  
 CONCENTRATION MAP  
 March 11, 2005**

Former BP Oil 11249  
 1300 Farmers Lane  
 Santa Rosa, California



SCALE (FEET)



**FIGURE 3**

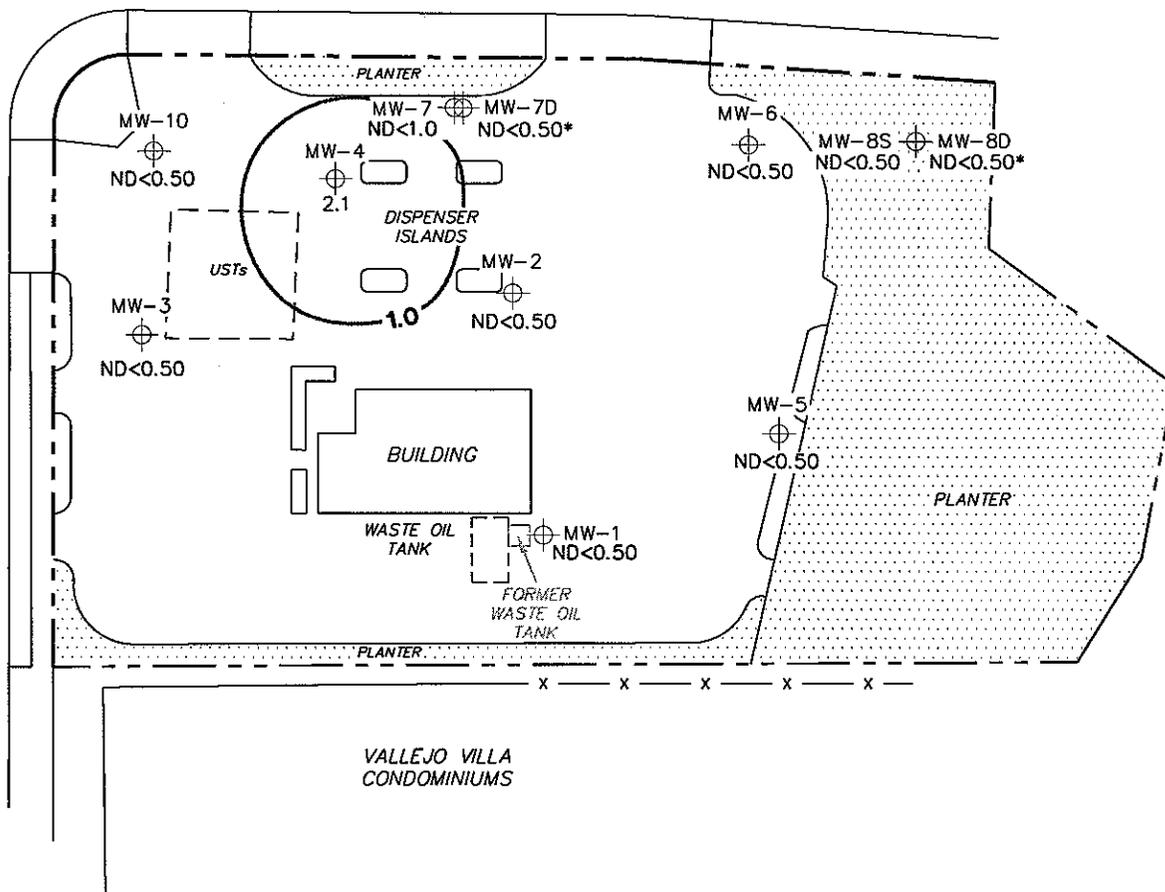
PS=1:1 11249-003



MW-9S ⊕ MW-9D  
ND<0.50 ND<0.50\*

FARMERS LANE

VALLEJO STREET



**NOTES:**

Contour lines are interpretive and based on laboratory analysis results of groundwater samples.  
 $\mu\text{g/l}$  = micrograms per liter. ND = not detected at limit indicated on official laboratory report.  
 UST = underground storage tank. \* = not included in contour interpretation.

**LEGEND**

- MW-10 ⊕ Monitoring Well with Dissolved-Phase Benzene Concentration ( $\mu\text{g/l}$ )
- 1.0— Dissolved-Phase Benzene Contour ( $\mu\text{g/l}$ )

**DISSOLVED-PHASE BENZENE  
 CONCENTRATION MAP  
 March 11, 2005**

Former BP Oil 11249  
 1300 Farmers Lane  
 Santa Rosa, California



SCALE (FEET)



**FIGURE 4**

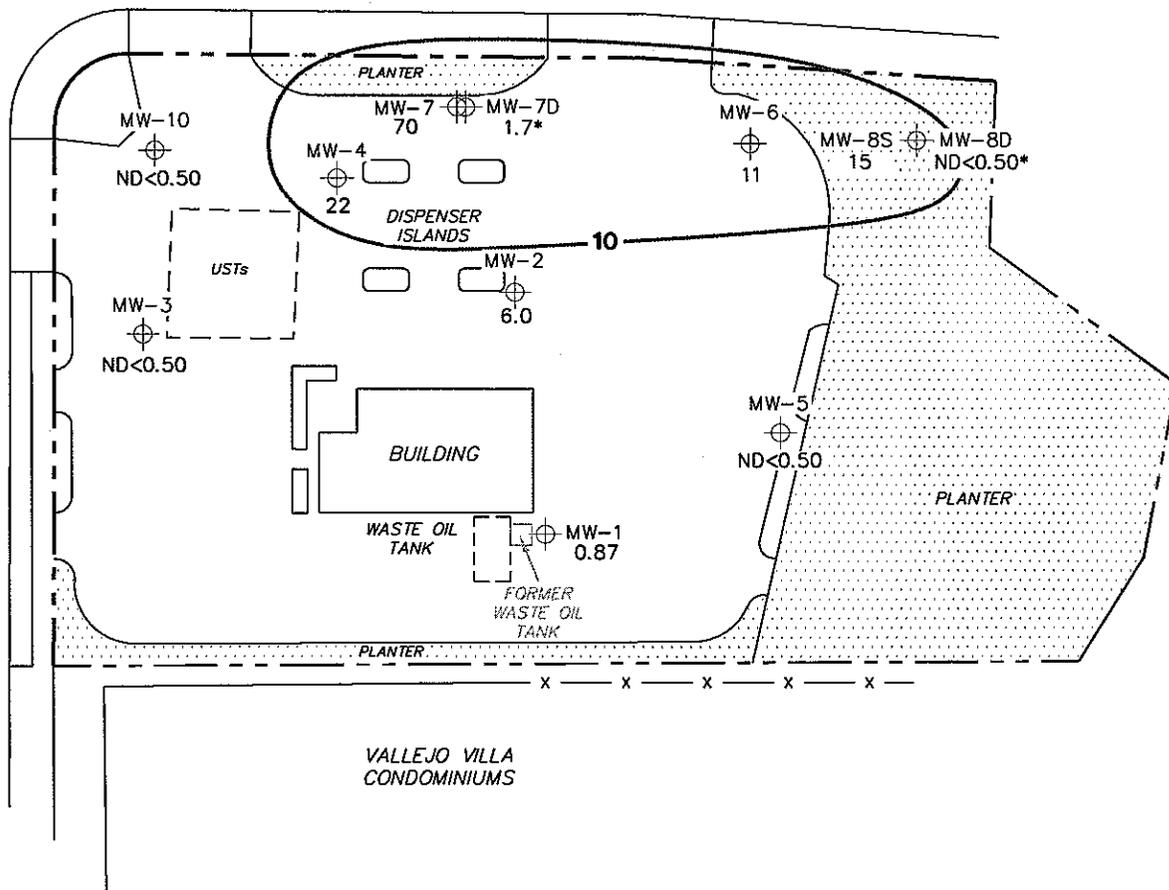
PS=1:11249-003



MW-9S ⊕ MW-9D  
5.2 ND<0.50\*

FARMERS LANE

VALLEJO STREET



**NOTES:**

Contour lines are interpretive and based on laboratory analysis results of groundwater samples. MTBE = methyl tertiary butyl ether. µg/l = micrograms per liter. ND = not detected at limit indicated on official laboratory report. UST = underground storage tank. Results obtained using EPA Method 8260B. \* = not included in contour interpretation.

**LEGEND**

MW-10 ⊕ Monitoring Well with Dissolved-Phase MTBE Concentration (µg/l)

—10— Dissolved-Phase MTBE Contour (µg/l)

**DISSOLVED-PHASE MTBE  
CONCENTRATION MAP  
March 11, 2005**

Former BP Oil 11249  
1300 Farmers Lane  
Santa Rosa, California

**TRC**

SCALE (FEET)

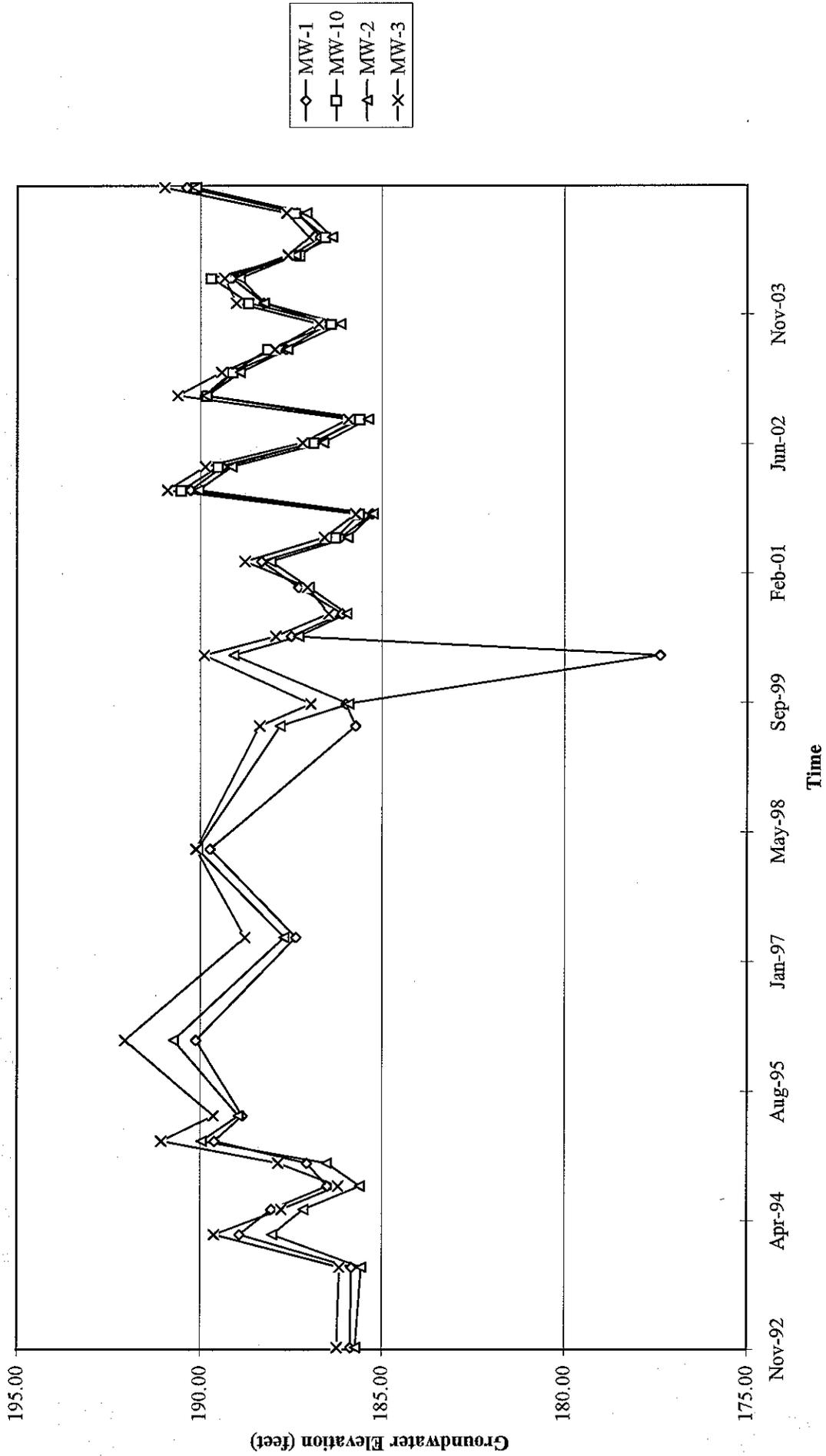


**FIGURE 5**

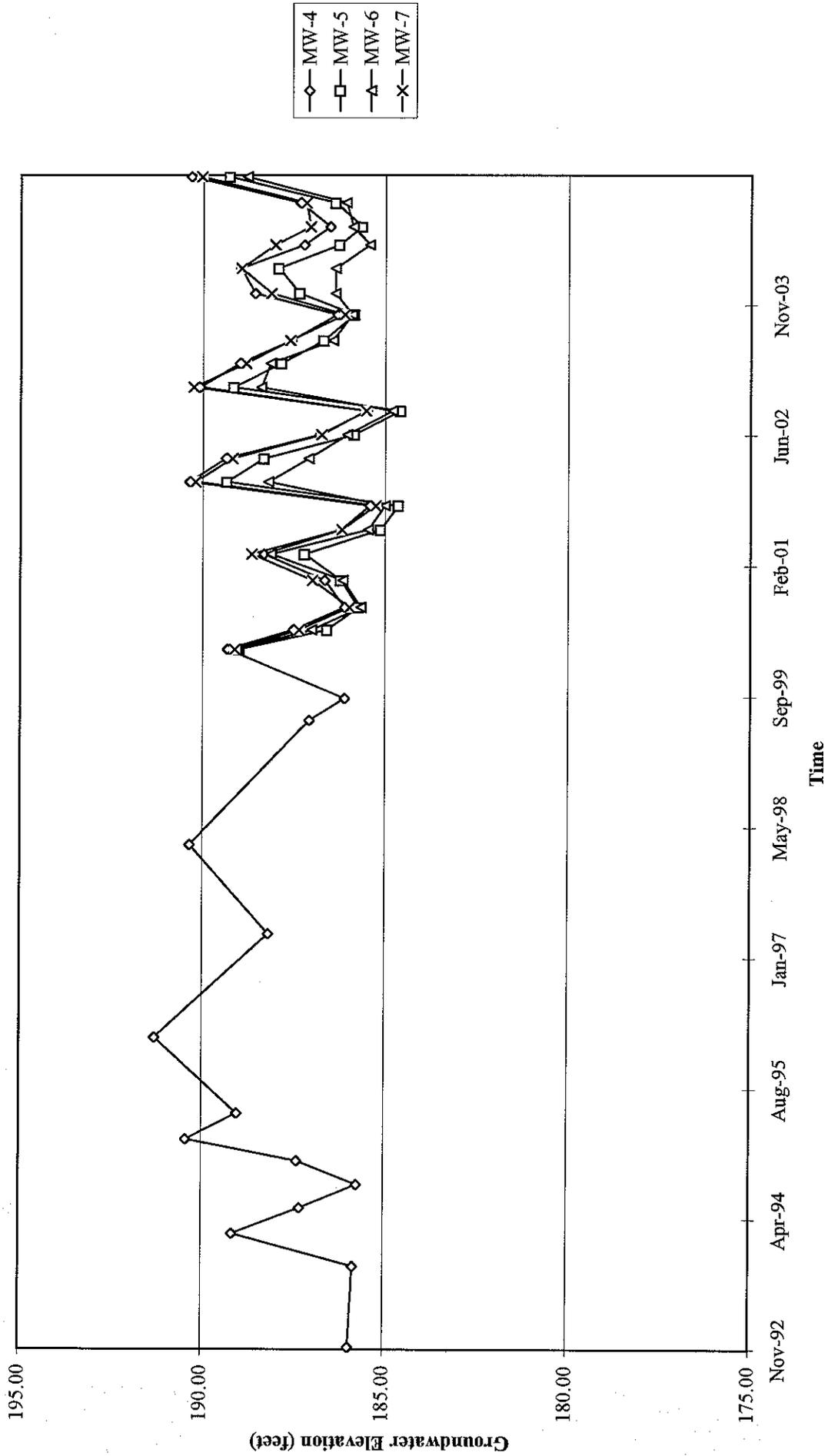
PS=1:11249-003

# GRAPHS

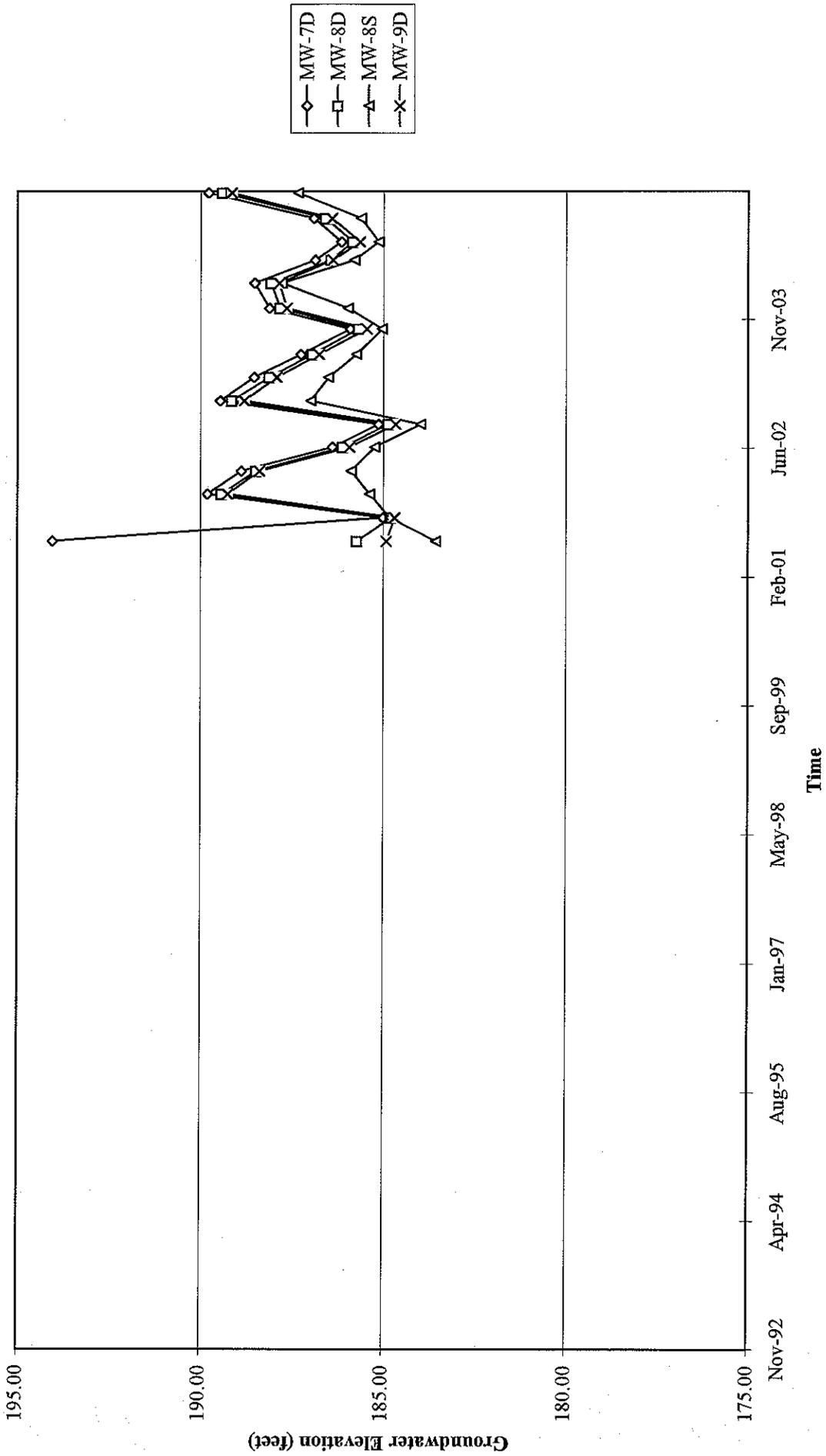
Groundwater Elevations vs. Time  
Former BP Oil 11249



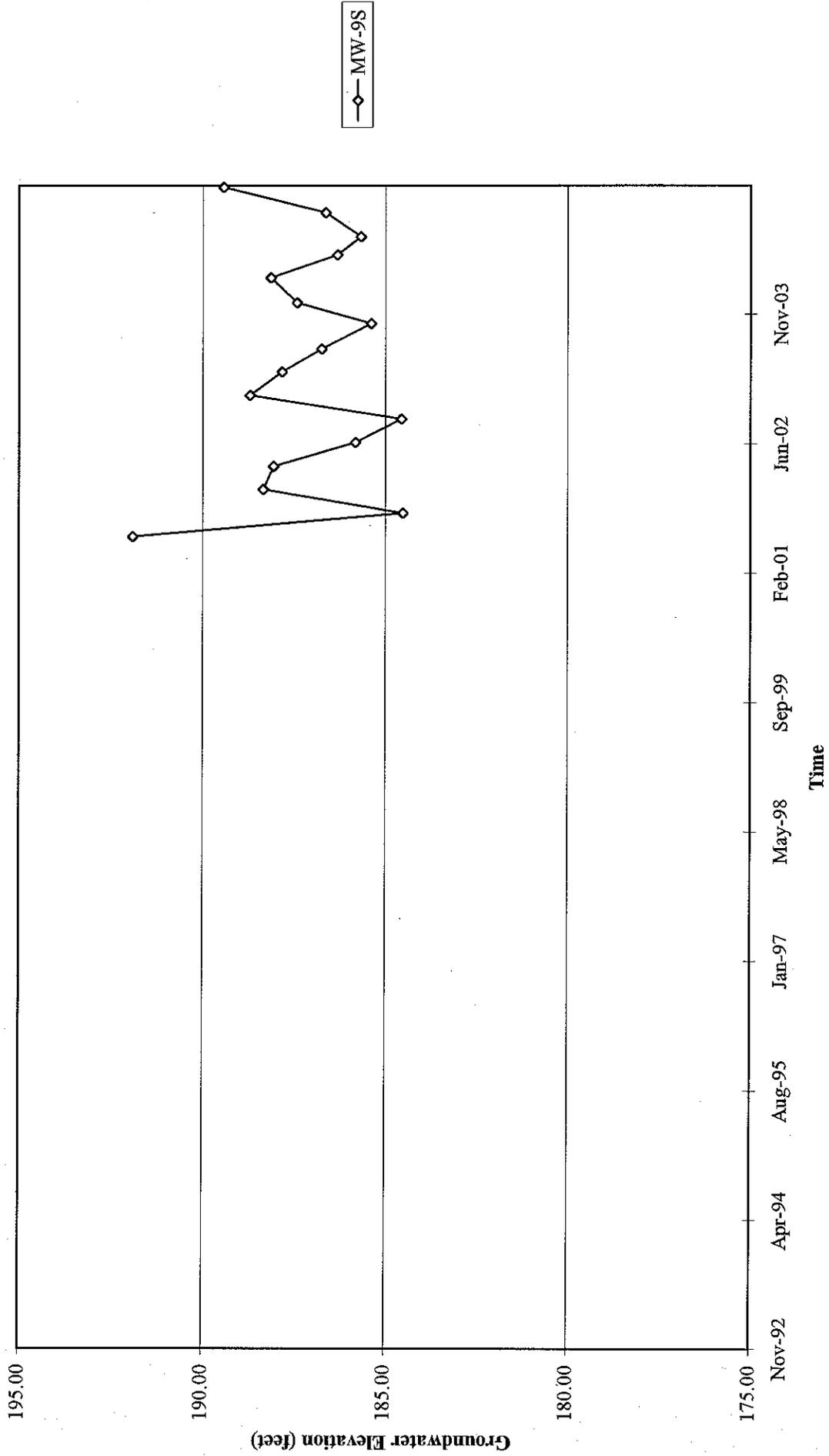
Groundwater Elevations vs. Time  
Former BP Oil 11249



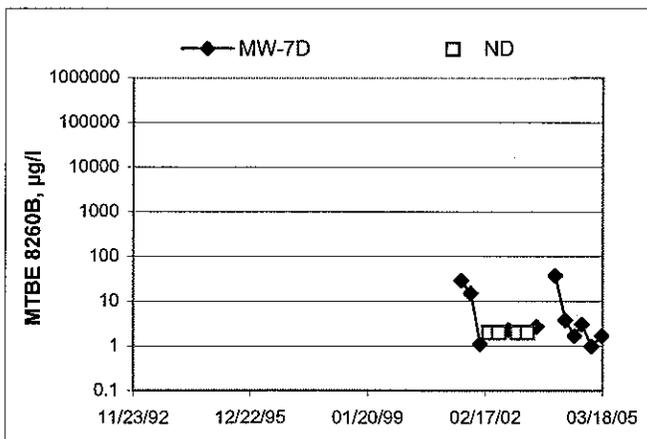
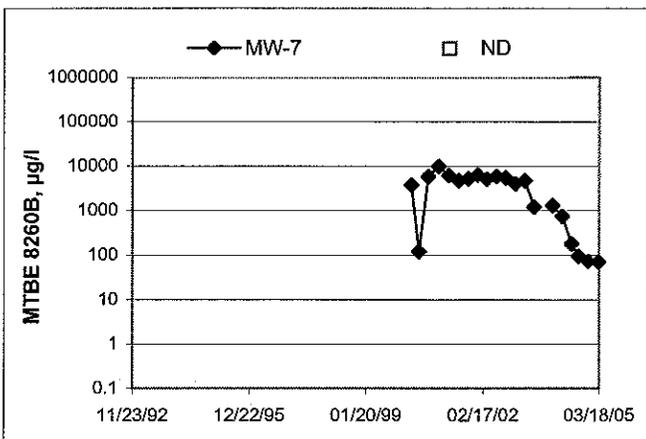
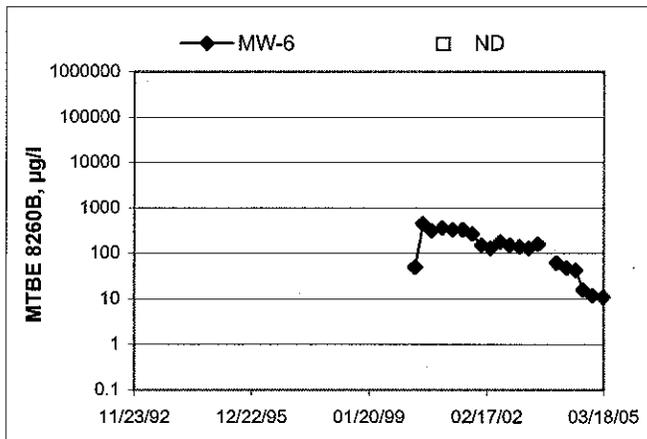
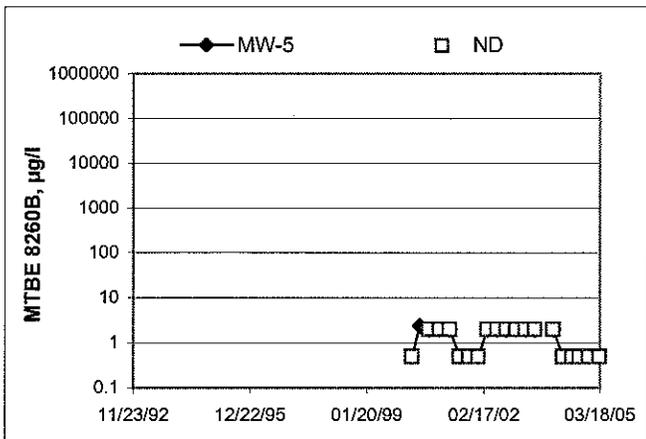
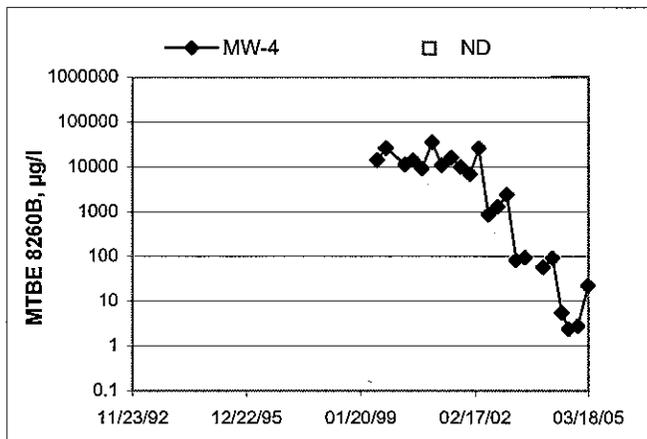
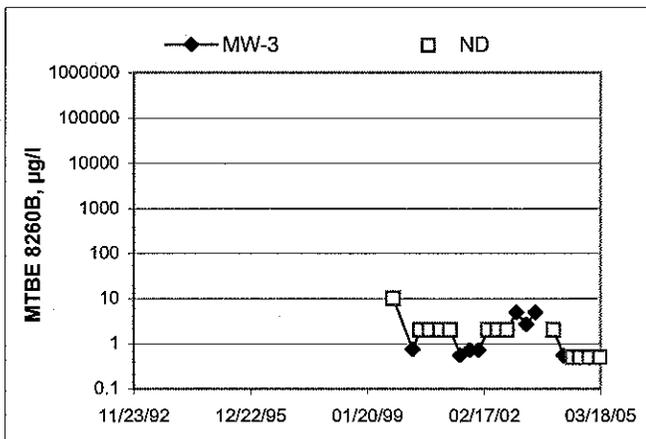
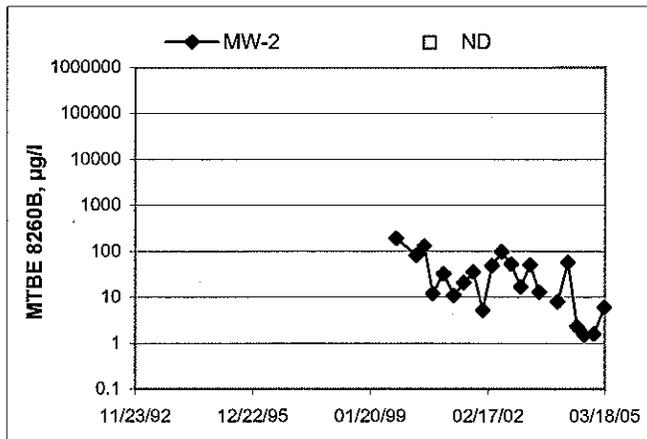
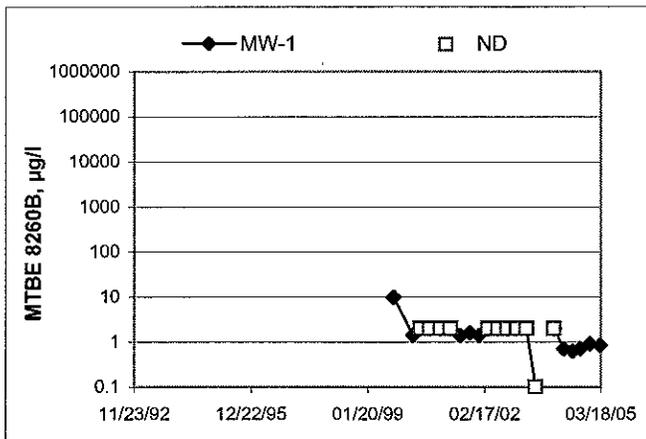
Groundwater Elevations vs. Time  
Former BP Oil 11249



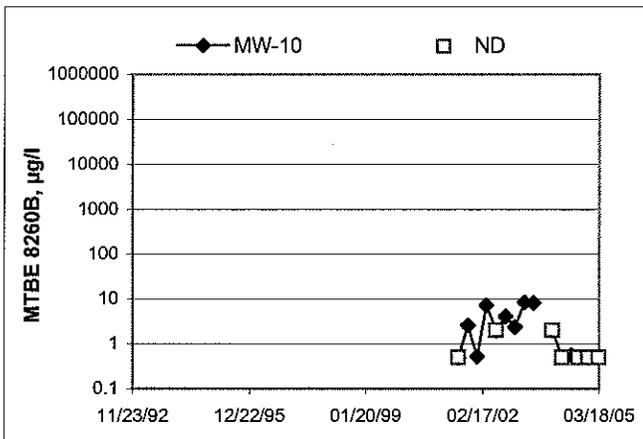
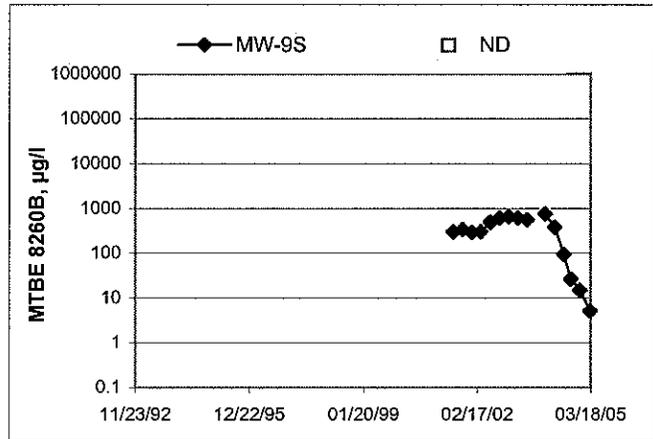
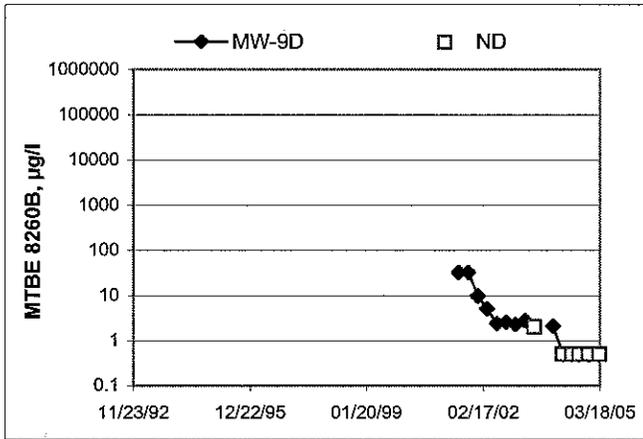
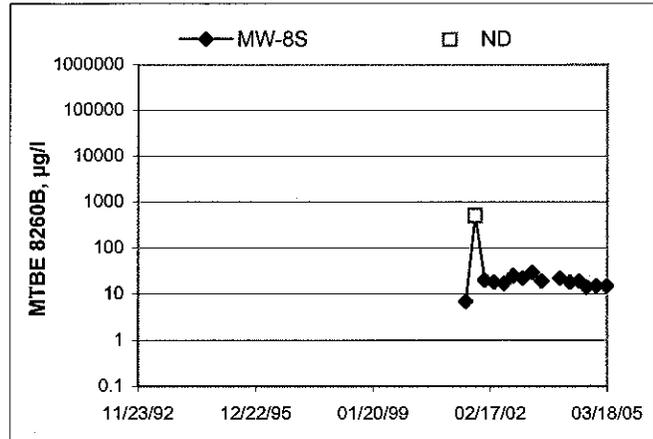
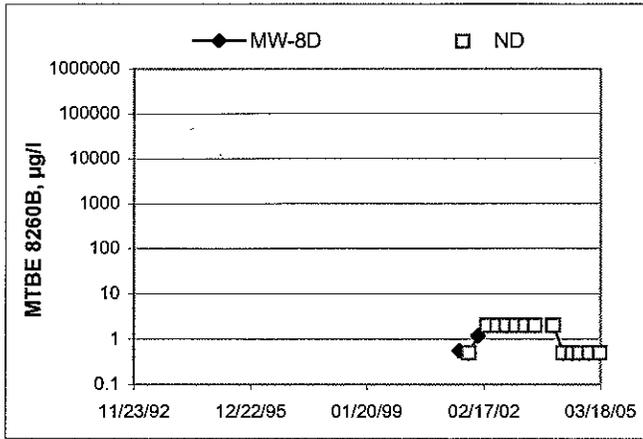
Groundwater Elevations vs. Time  
Former BP Oil 11249



**MTBE 8260B Concentrations vs Time**  
Former BP Oil 11249



**MTBE 8260B Concentrations vs Time**  
Former BP Oil 11249



## GENERAL FIELD PROCEDURES

### **Groundwater Monitoring and Sampling Assignments**

For each site, TRC technicians are provided with a Technical Service Request (TSR) that specifies activities required to complete the groundwater monitoring and sampling assignment for the site. TSRs are based on client directives, instructions from the primary environmental consultant for the site, regulatory requirements, and TRC's previous experience with the site.

### **Fluid Level Measurements**

Initial site activities include determination of well locations based on a site map provided with the TSR. Well boxes are opened and caps are removed. Indications of well or well box damage, or of pressure buildup in the well are noted.

Fluid levels in each well are measured using a coated cloth tape equipped with an electronic interface probe, which distinguishes between liquid phase hydrocarbon (LPH) and water. The depth to LPH (if it is present), to water, and to the bottom of the well are measured from the top of the well casing (surveyors mark or notch if present) to the nearest 0.01 foot. Unless otherwise instructed, a well with less than 0.67 foot between the measured top of water and the measured bottom of the well casing is considered dry, and is not sampled. If the well contains 0.67 foot or more of water, an attempt is made to bail and/or sample as specified on the TSR.

Wells that are found to contain LPH are not purged or sampled. Instead, one casing volume of fluid is bailed from the well and the well is re-sealed. Bailed fluids are placed in a container separate from normal purge water, and properly disposed.

### **Purging and Groundwater Parameter Measurement**

TSR instructions may specify that a well not be purged (no-purge sampling), be purged using low-flow methods, or be purged using conventional pump and/or bail methods. Conventional purging generally consists of pumping or bailing until a minimum of three casing volumes of water have been removed or until the well has been pumped dry. Pumping is generally accomplished using submersible electric or pneumatic diaphragm pumps.

During conventional purging, three groundwater parameters (temperature, pH, and conductivity) are measured after removal of each casing volume. Stabilization of these parameters, to within 10 percent, confirm that sufficient purging has been completed. In some cases, the TSR indicates that other parameters are also to be measured during purging. TRC commonly measures dissolved oxygen (DO), oxidation-reduction potential (ORP), and/or turbidity. Instruments used for groundwater parameter measurement are calibrated daily according to manufacturer's instructions.

Low-flow purging utilizes a bladder or peristaltic pump to remove water from the well at a low rate. Groundwater parameters specified by the TSR are measured continuously until they become stable in general accordance with EPA guidelines.

Purge water is generally collected in labeled drums for disposal. Drums may be left on site for disposal by others, or transported to a collection location for eventual transfer to a licensed treatment or recycling facility. In some cases, purge water may be collected directly from the site by a licensed vacuum truck company, or may be treated on site by an active remediation system, if so directed.

### **Groundwater Sample Collection**

After wells are purged, or not purged, according to TSR instructions, samples are collected for laboratory analysis. For wells that have been purged using conventional pump or bail methods, sampling is conducted after the well has recovered to 80 percent of its original volume or after two hours if the well does not recover to at least 80 percent. If there is insufficient recharge of water in the well after two hours, the well is not sampled.

Samples are collected by lowering a new, disposable, ½-inch to 4-inch polyethylene bottom-fill bailer to just below the water level in the well. The bailer is retrieved and the water sample is carefully transferred to containers specified for the laboratory analytical methods indicated by the TSR. Particular care is given to containers for volatile organic analysis (VOAs) which require filling to zero headspace and fitting with Teflon-sealed caps.

After filling, all containers are labeled with project number (or site number), well designation, sample date, and the samplers initials, and placed in an insulated chest with ice. Samples remain chilled prior to and during transport to a state-certified laboratory for analysis. Sample container descriptions and requested analyses are entered onto a chain-of-custody form in order to provide instructions to the laboratory. The chain-of-custody form accompanies the samples during transportation to provide a continuous record of possession from the field to the laboratory. If a freight or overnight carrier transports the samples, the carrier is noted on the form.

For wells that have been purged using low-flow methods, sample containers are filled from the effluent stream of the bladder or peristaltic pump. In some cases, if so specified by the TSR, samples are taken from the sample ports of actively pumping remediation wells.

### **Sequence of Gauging, Purging, and Sampling**

The sequence in which monitoring activities are conducted are specified on the TSR. In general, wells are gauged beginning with the least-affected well and ending with the well that has highest concentration based on previous analytic results. After all gauging for the site is completed, wells are purged and/or sampled from the least-affected well to the most-affected well.

### **Decontamination**

In order to reduce the possibility of cross-contamination between wells, strict isolation and decontamination procedures are observed. Portable pumps are not used in wells with LPH. Technicians wear nitrile gloves during all gauging, purging and sampling activities. Gloves are changed between wells and more often if warranted. Any equipment that could come in contact with fluids are either dedicated to a particular well, decontaminated prior to each use, or discarded after a single use. Decontamination consists of washing in a solution of Liqui-nox and water and rinsing twice. The final rinse is in deionized water.

### **Exceptions**

Additional tasks or non-standard procedures, if any, that may be requested or required for a particular site, and noted on the site TSR, are documented in field notes on the following pages.



**GROUNDWATER SAMPLING FIELD NOTES**

Technician: Alex Daniel

Site: 11249

Project No.: 41050001

Date: 3.11.05

Well No.: MW-8D

Purge Method: Sub

Depth to Water (feet): 11.66

Depth to Product (feet): ∅

Total Depth (feet): 58.77

LPH & Water Recovered (gallons): ∅

Water Column (feet): 47.11

Casing Diameter (Inches): 2"

80% Recharge Depth (feet): 21.08

1 Well Volume (gallons): 8

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F °C)	pH	Turbidity	D.O.
0719			8	555	24.2	6.52		
			16	525	24.8	6.77		
	0733		24	910	25.1	6.93		
Static at Time Sampled			Total Gallons Purged		Time Sampled			
• 1167			24		0831			
Comments:								

Well No.: MW-7D

Purge Method: Sub

Depth to Water (feet): 10.85

Depth to Product (feet): ∅

Total Depth (feet): 59.15

LPH & Water Recovered (gallons): ∅

Water Column (feet): 48.30

Casing Diameter (Inches): 2"

80% Recharge Depth (feet): 20.51

1 Well Volume (gallons): 8

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F °C)	pH	Turbidity	D.O.
0752			8	439	25.5	7.07		
			16	450	26.1	6.98		
	0805		24	454	26.7	6.96		
Static at Time Sampled			Total Gallons Purged		Time Sampled			
• 10.85			24		0811			
Comments:								

## GROUNDWATER SAMPLING FIELD NOTES

Technician: Alex/Daniel

Site: 11249

Project No.: 41050001

Date: 3-11-05

Well No.: MW-85

Purge Method: D

Depth to Water (feet): 13.70

Depth to Product (feet): 0

Total Depth (feet): 27.49

LPH & Water Recovered (gallons): 0

Water Column (feet): 13.79

Casing Diameter (Inches): 2"

80% Recharge Depth (feet): 16.45

1 Well Volume (gallons): 2

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F. (C))	pH	Turbidity	D.O.
0739			2	598	24.1	6.65		
			4	606	23.8	6.55		
	0742		6	604	23.7	6.54		
Static at Time Sampled			Total Gallons Purged		Time Sampled			
1467			6		0835			
Comments:								

Well No.: MW-7

Purge Method: D

Depth to Water (feet): 10.52

Depth to Product (feet): 0

Total Depth (feet): 25.02

LPH & Water Recovered (gallons): 0

Water Column (feet): 14.50

Casing Diameter (Inches): 2

80% Recharge Depth (feet): 13.42

1 Well Volume (gallons): 2

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F. (C))	pH	Turbidity	D.O.
0808			2	743	24.8	6.60		
			4	746	24.6	6.71		
	0814		6	750	24.2	7.01		
Static at Time Sampled			Total Gallons Purged		Time Sampled			
1321			6		0943			
Comments:								

# GROUNDWATER SAMPLING FIELD NOTES

Technician: Alex/Daniel

Site: 11249

Project No.: 41050001

Date: 3.11.05

Well No.: MW-6

Purge Method: D

Depth to Water (feet): 11.66

Depth to Product (feet): 0

Total Depth (feet): 24.87

LPH & Water Recovered (gallons): 0

Water Column (feet): 13.21

Casing Diameter (Inches): 2

80% Recharge Depth (feet): 14.30

1 Well Volume (gallons): 2

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F, C)	pH	Turbidity	D.O.
0819			2	540	24.9	7.45		
			4	524	23.9	6.95		
	0922		6	509	24.5	6.86		
Static at Time Sampled			Total Gallons Purged		Time Sampled			
16.33			6		10.40			
Comments: <u>Well did not recover in 2 hrs.</u>								

Well No.: MW-95

Purge Method: D

Depth to Water (feet): 10.72

Depth to Product (feet): 0

Total Depth (feet): 25.87

LPH & Water Recovered (gallons): 0

Water Column (feet): 15.19

Casing Diameter (Inches): 2"

80% Recharge Depth (feet): 13.75

1 Well Volume (gallons): 3

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F, C)	pH	Turbidity	D.O.
0857			3	626	24.9	6.51		
			6	679	24.9	6.44		
	0900		9	655 <sup>DC</sup>	25.6	6.68		
Static at Time Sampled			Total Gallons Purged		Time Sampled			
13.70			9		10.25			
Comments: <u>Street well</u>								

**GROUNDWATER SAMPLING FIELD NOTES**

Technician: Alex/ Daniel

Site: 11249

Project No.: 41050001

Date: 3-11-05

Well No.: MW-9D

Purge Method: SUB

Depth to Water (feet): 10.99

Depth to Product (feet): ∅

Total Depth (feet): 58.65

LPH & Water Recovered (gallons): ∅

Water Column (feet): 47.66

Casing Diameter (Inches): 2"

80% Recharge Depth (feet): 20.52

1 Well Volume (gallons): 8

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F, C)	pH	Turbidity	D.O.
0903			8	133.2	26.4	7.04		
			16	456	27.0	7.16		
	0917		24	456	27.2	7.09		
Static at Time Sampled			Total Gallons Purged			Time Sampled		
11:10			24			0924		
Comments: <u>Street well</u>								

Well No.: \_\_\_\_\_

Purge Method: \_\_\_\_\_

Depth to Water (feet): \_\_\_\_\_

Depth to Product (feet): \_\_\_\_\_

Total Depth (feet): \_\_\_\_\_

LPH & Water Recovered (gallons): \_\_\_\_\_

Water Column (feet): \_\_\_\_\_

Casing Diameter (Inches): \_\_\_\_\_

80% Recharge Depth (feet): \_\_\_\_\_

1 Well Volume (gallons): \_\_\_\_\_

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F, C)	pH	Turbidity	D.O.
Static at Time Sampled			Total Gallons Purged			Time Sampled		
Comments: _____								

GROUNDWATER SAMPLING FIELD NOTES

Technician: Anthony Hammet

Site: 11249

Project No.: 4105001

Date: 03-11-05

Well No.: MW-2

Purge Method: Dien

Depth to Water (feet): 10.99

Depth to Product (feet): 0

Total Depth (feet): 22.04

LPH & Water Recovered (gallons): 0

Water Column (feet): 11.05

Casing Diameter (Inches): 2"

80% Recharge Depth (feet): 13.20

1 Well Volume (gallons): 2

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F. @)	pH	Turbidity	D.O.
0806			2	929	19.2	6.95		
			4	952	18.9	6.86		
	0810		6	973	19.0	6.85		
Static at Time Sampled			Total Gallons Purged		Time Sampled			
11.26			6		0946			
Comments:								

Well No.: MW-4

Purge Method: Dien

Depth to Water (feet): 9.75

Depth to Product (feet): 0

Total Depth (feet): 25.87

LPH & Water Recovered (gallons): 0

Water Column (feet): 16.12

Casing Diameter (Inches): 2"

80% Recharge Depth (feet): 12.97

1 Well Volume (gallons): 3

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F. @)	pH	Turbidity	D.O.
0819			3	706	20.1	7.15		
			6	715	20.4	7.03		
	0822		9	703	20.5	7.02		
Static at Time Sampled			Total Gallons Purged		Time Sampled			
9.69			9		0957			
Comments:								

GROUNDWATER SAMPLING FIELD NOTES

Technician: Anthony Hammet

Site: 11249

Project No.: 4105001

Date: 03-11-05

Well No.: MW-5

Purge Method: Dia

Depth to Water (feet): 11.20

Depth to Product (feet): 0

Total Depth (feet): 24.78

LPH & Water Recovered (gallons): 0

Water Column (feet): 13.58

Casing Diameter (Inches): 2"

80% Recharge Depth (feet): 13.92

1 Well Volume (gallons): 2

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F)	pH	Turbidity	D.O.
0719			2	579	16.8	7.72		
			4	568	17.3	7.39		
	0724		6	594	17.6	7.40		
Static at Time Sampled		Total Gallons Purged			Time Sampled			
12.11		6			0843			
Comments:								

Well No.: MW-10

Purge Method: Dia

Depth to Water (feet): 9.43

Depth to Product (feet): 0

Total Depth (feet): 27.20

LPH & Water Recovered (gallons): 0

Water Column (feet): 17.77

Casing Diameter (Inches): 2"

80% Recharge Depth (feet): 12.98

1 Well Volume (gallons): 3

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F)	pH	Turbidity	D.O.
0731			3	690	19.1	7.15		
			6	694	19.1	7.07		
	0736		9	696	19.2	7.11		
Static at Time Sampled		Total Gallons Purged			Time Sampled			
9.05		9			0909			
Comments:								

GROUNDWATER SAMPLING FIELD NOTES

Technician: Anthony Hammet

Site: 11249

Project No.: 41050001

Date: 03-11-05

Well No.: MW-3

Purge Method: Dire

Depth to Water (feet): 9.19

Depth to Product (feet): 2

Total Depth (feet): 26.48

LPH & Water Recovered (gallons): 2

Water Column (feet): 17.29

Casing Diameter (Inches): 2"

80% Recharge Depth (feet): 12.65

1 Well Volume (gallons): 3

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F. °)	pH	Turbidity	D.O.
0745			3	544	19.5	7.08		
			6	563	19.5	6.98		
	0750		9	589	19.9	7.06		
Static at Time Sampled			Total Gallons Purged		Time Sampled			
= 9.18			9		0916			
Comments:								

Well No.: MW-1

Purge Method: Dire

Depth to Water (feet): 10.97

Depth to Product (feet): 0

Total Depth (feet): 36.13

LPH & Water Recovered (gallons): 0

Water Column (feet): 25.16

Casing Diameter (Inches): 2

80% Recharge Depth (feet): 16.00

1 Well Volume (gallons): 4

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F. °)	pH	Turbidity	D.O.
0756			4	576	19.0	7.44		
			8	626	18.9	7.47		
	0801		12	600	19.1	7.49		
Static at Time Sampled			Total Gallons Purged		Time Sampled			
11.30			12		0933			
Comments:								

TRC Alton Geoscience- Irvine

March 29, 2005

21 Technology Drive  
Irvine, CA 92718

Attn.: Anju Farfan

Project#: 41050001FA20

Project: Conoco Phillips #11249

Site: 1300 Farmers Lane, Santa Rosa

Attached is our report for your samples received on 03/14/2005 15:55

This report has been reviewed and approved for release. Reproduction of this report is permitted only in its entirety.

Please note that any unused portion of the samples will be discarded after 04/28/2005 unless you have requested otherwise.

We appreciate the opportunity to be of service to you. If you have any questions, please call me at (925) 484-1919.

You can also contact me via email. My email address is: [dsharma@stl-inc.com](mailto:dsharma@stl-inc.com)

Sincerely,



Dimple Sharma  
Project Manager

**Gas/BTEX Fuel Oxygenates by 8260B**

TRC Alton Geoscience- Irvine

Attn.: Anju Farfan

21 Technology Drive

Irvine, CA 92718

Phone: (949) 341-7440 Fax: (949) 753-0111

Project: 41050001FA20

Conoco Phillips #11249

Received: 03/14/2005 15:55

Site: 1300 Farmers Lane, Santa Rosa

**Samples Reported**

Sample Name	Date Sampled	Matrix	Lab #
MW-9S	03/11/2005 10:25	Water	1
MW-9D	03/11/2005 09:24	Water	2
MW-8S	03/11/2005 08:35	Water	3
MW-8D	03/11/2005 08:31	Water	4
MW-7D	03/11/2005 09:41	Water	5
MW-7	03/11/2005 09:43	Water	6
MW-6	03/11/2005 10:40	Water	7
MW-5	03/11/2005 08:43	Water	8
MW-10	03/11/2005 09:09	Water	9
MW-3	03/11/2005 09:16	Water	10
MW-1	03/11/2005 09:33	Water	11
MW-2	03/11/2005 09:46	Water	12
MW-4	03/11/2005 09:57	Water	13

Severn Trent Laboratories, Inc.

STL San Francisco \* 1220 Quarry Lane, Pleasanton, CA 94566

Tel 925 484 1919 Fax 925 484 1096 \* www.stl-inc.com \* CA DHS ELAP# 2496

03/24/2005 17:14

**Gas/BTEX Fuel Oxygenates by 8260B**

TRC Alton Geoscience- Irvine

Attn.: Anju Farfan

21 Technology Drive

Irvine, CA 92718

Phone: (949) 341-7440 Fax: (949) 753-0111

Project: 41050001FA20

Conoco Phillips #11249

Received: 03/14/2005 15:55

Site: 1300 Farmers Lane, Santa Rosa

Prep(s):	5030B	Test(s):	8260B
Sample ID:	<b>MW-9S</b>	Lab ID:	2005-03-0477 - 1
Sampled:	03/11/2005 10:25	Extracted:	3/21/2005 21:04
Matrix:	Water	QC Batch#:	2005/03/21-2D.69

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
tert-Butyl alcohol (TBA)	610	5.0	ug/L	1.00	03/21/2005 21:04	
Methyl tert-butyl ether (MTBE)	5.2	0.50	ug/L	1.00	03/21/2005 21:04	
Di-isopropyl Ether (DIPE)	ND	0.50	ug/L	1.00	03/21/2005 21:04	
Ethyl tert-butyl ether (ETBE)	ND	0.50	ug/L	1.00	03/21/2005 21:04	
tert-Amyl methyl ether (TAME)	ND	0.50	ug/L	1.00	03/21/2005 21:04	
1,2-DCA	ND	0.50	ug/L	1.00	03/21/2005 21:04	
EDB	ND	0.50	ug/L	1.00	03/21/2005 21:04	
Ethanol	ND	50	ug/L	1.00	03/21/2005 21:04	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	89.3	73-130	%	1.00	03/21/2005 21:04	
Toluene-d8	90.1	81-114	%	1.00	03/21/2005 21:04	

**Gas/BTEX Fuel Oxygenates by 8260B**

TRC Alton Geoscience- Irvine

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21 Technology Drive

Irvine, CA 92718

Phone: (949) 341-7440 Fax: (949) 753-0111

Project: 41050001FA20

Conoco Phillips #11249

Received: 03/14/2005 15:55

Site: 1300 Farmers Lane, Santa Rosa

Prep(s):	5030B	Test(s):	8260B
Sample ID:	MW-9D	Lab ID:	2005-03-0477 - 2
Sampled:	03/11/2005 09:24	Extracted:	3/21/2005 22:21
Matrix:	Water	QC Batch#:	2005/03/21-2D.69

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	03/21/2005 22:21	
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	03/21/2005 22:21	
Di-isopropyl Ether (DIPE)	ND	0.50	ug/L	1.00	03/21/2005 22:21	
Ethyl tert-butyl ether (ETBE)	ND	0.50	ug/L	1.00	03/21/2005 22:21	
tert-Amyl methyl ether (TAME)	ND	0.50	ug/L	1.00	03/21/2005 22:21	
1,2-DCA	ND	0.50	ug/L	1.00	03/21/2005 22:21	
EDB	ND	0.50	ug/L	1.00	03/21/2005 22:21	
Ethanol	ND	50	ug/L	1.00	03/21/2005 22:21	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	96.3	73-130	%	1.00	03/21/2005 22:21	
Toluene-d8	93.5	81-114	%	1.00	03/21/2005 22:21	

**Gas/BTEX Fuel Oxygenates by 8260B**

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Project: 41050001FA20

Conoco Phillips #11249

Received: 03/14/2005 15:55

Site: 1300 Farmers Lane, Santa Rosa

Prep(s): 5030B	Test(s): 8260B
Sample ID: MW-8S	Lab ID: 2005-03-0477 - 3
Sampled: 03/11/2005 08:35	Extracted: 3/21/2005 22:40
Matrix: Water	QC Batch#: 2005/03/21-2D.69

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
tert-Butyl alcohol (TBA)	6.6	5.0	ug/L	1.00	03/21/2005 22:40	
Methyl tert-butyl ether (MTBE)	15	0.50	ug/L	1.00	03/21/2005 22:40	
Di-isopropyl Ether (DIPE)	ND	0.50	ug/L	1.00	03/21/2005 22:40	
Ethyl tert-butyl ether (ETBE)	ND	0.50	ug/L	1.00	03/21/2005 22:40	
tert-Amyl methyl ether (TAME)	ND	0.50	ug/L	1.00	03/21/2005 22:40	
1,2-DCA	ND	0.50	ug/L	1.00	03/21/2005 22:40	
EDB	ND	0.50	ug/L	1.00	03/21/2005 22:40	
Ethanol	ND	50	ug/L	1.00	03/21/2005 22:40	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	97.6	73-130	%	1.00	03/21/2005 22:40	
Toluene-d8	91.6	81-114	%	1.00	03/21/2005 22:40	

**Gas/BTEX Fuel Oxygenates by 8260B**

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Phone: (949) 341-7440 Fax: (949) 753-0111

Project: 41050001FA20

Conoco Phillips #11249

Received: 03/14/2005 15:55

Site: 1300 Farmers Lane, Santa Rosa

Prep(s):	5030B	Test(s):	8260B
Sample ID:	<b>MW-8D</b>	Lab ID:	2005-03-0477 - 4
Sampled:	03/11/2005 08:31	Extracted:	3/21/2005 23:00
Matrix:	Water	QC Batch#:	2005/03/21-2D.69

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	03/21/2005 23:00	
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	03/21/2005 23:00	
Di-isopropyl Ether (DIPE)	ND	0.50	ug/L	1.00	03/21/2005 23:00	
Ethyl tert-butyl ether (ETBE)	ND	0.50	ug/L	1.00	03/21/2005 23:00	
tert-Amyl methyl ether (TAME)	ND	0.50	ug/L	1.00	03/21/2005 23:00	
1,2-DCA	ND	0.50	ug/L	1.00	03/21/2005 23:00	
EDB	ND	0.50	ug/L	1.00	03/21/2005 23:00	
Ethanol	ND	50	ug/L	1.00	03/21/2005 23:00	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	100.9	73-130	%	1.00	03/21/2005 23:00	
Toluene-d8	91.3	81-114	%	1.00	03/21/2005 23:00	

**Gas/BTEX Fuel Oxygenates by 8260B**

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Irvine, CA 92718

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Project: 41050001FA20

Conoco Phillips #11249

Received: 03/14/2005 15:55

Site: 1300 Farmers Lane, Santa Rosa

Prep(s):	5030B	Test(s):	8260B
Sample ID:	MW-7D	Lab ID:	2005-03-0477 - 5
Sampled:	03/11/2005 09:41	Extracted:	3/21/2005 23:19
Matrix:	Water	QC Batch#:	2005/03/21-2D.69

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	03/21/2005 23:19	
Methyl tert-butyl ether (MTBE)	1.7	0.50	ug/L	1.00	03/21/2005 23:19	
Di-isopropyl Ether (DIPE)	ND	0.50	ug/L	1.00	03/21/2005 23:19	
Ethyl tert-butyl ether (ETBE)	ND	0.50	ug/L	1.00	03/21/2005 23:19	
tert-Amyl methyl ether (TAME)	ND	0.50	ug/L	1.00	03/21/2005 23:19	
1,2-DCA	ND	0.50	ug/L	1.00	03/21/2005 23:19	
EDB	ND	0.50	ug/L	1.00	03/21/2005 23:19	
Ethanol	ND	50	ug/L	1.00	03/21/2005 23:19	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	97.1	73-130	%	1.00	03/21/2005 23:19	
Toluene-d8	94.7	81-114	%	1.00	03/21/2005 23:19	

**Gas/BTEX Fuel Oxygenates by 8260B**

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Project: 41050001FA20

Conoco Phillips #11249

Received: 03/14/2005 15:55

Site: 1300 Farmers Lane, Santa Rosa

Prep(s): 5030B	Test(s): 8260B
Sample ID: MW-7	Lab ID: 2005-03-0477 - 6
Sampled: 03/11/2005 09:43	Extracted: 3/21/2005 23:38
Matrix: Water	QC Batch#: 2005/03/21-2D.69
Analysis Flag: L2 ( See Legend and Note Section )	

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
tert-Butyl alcohol (TBA)	2000	25	ug/L	5.00	03/21/2005 23:38	
Methyl tert-butyl ether (MTBE)	70	2.5	ug/L	5.00	03/21/2005 23:38	
Di-isopropyl Ether (DIPE)	ND	2.5	ug/L	5.00	03/21/2005 23:38	
Ethyl tert-butyl ether (ETBE)	ND	2.5	ug/L	5.00	03/21/2005 23:38	
tert-Amyl methyl ether (TAME)	ND	2.5	ug/L	5.00	03/21/2005 23:38	
1,2-DCA	ND	2.5	ug/L	5.00	03/21/2005 23:38	
EDB	ND	2.5	ug/L	5.00	03/21/2005 23:38	
Ethanol	ND	250	ug/L	5.00	03/21/2005 23:38	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	95.0	73-130	%	5.00	03/21/2005 23:38	
Toluene-d8	97.4	81-114	%	5.00	03/21/2005 23:38	

**Gas/BTEX Fuel Oxygenates by 8260B**

TRC Alton Geoscience- Irvine

Attn.: Anju Farfan

21 Technology Drive

Irvine, CA 92718

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Project: 41050001FA20

Conoco Phillips #11249

Received: 03/14/2005 15:55

Site: 1300 Farmers Lane, Santa Rosa

Prep(s):	5030B	Test(s):	8260B
Sample ID:	MW-6	Lab ID:	2005-03-0477 - 7
Sampled:	03/11/2005 10:40	Extracted:	3/21/2005 23:58
Matrix:	Water	QC Batch#:	2005/03/21-2D.69

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
tert-Butyl alcohol (TBA)	150	5.0	ug/L	1.00	03/21/2005 23:58	
Methyl tert-butyl ether (MTBE)	11	0.50	ug/L	1.00	03/21/2005 23:58	
Di-isopropyl Ether (DIPE)	ND	0.50	ug/L	1.00	03/21/2005 23:58	
Ethyl tert-butyl ether (ETBE)	ND	0.50	ug/L	1.00	03/21/2005 23:58	
tert-Amyl methyl ether (TAME)	ND	0.50	ug/L	1.00	03/21/2005 23:58	
1,2-DCA	ND	0.50	ug/L	1.00	03/21/2005 23:58	
EDB	ND	0.50	ug/L	1.00	03/21/2005 23:58	
Ethanol	ND	50	ug/L	1.00	03/21/2005 23:58	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	95.3	73-130	%	1.00	03/21/2005 23:58	
Toluene-d8	94.7	81-114	%	1.00	03/21/2005 23:58	

**Gas/BTEX Fuel Oxygenates by 8260B**

TRC Alton Geoscience- Irvine

Attn.: Anju Farfan

21 Technology Drive

Irvine, CA 92718

Phone: (949) 341-7440 Fax: (949) 753-0111

Project: 41050001FA20

Conoco Phillips #11249

Received: 03/14/2005 15:55

Site: 1300 Farmers Lane, Santa Rosa

Prep(s):	5030B	Test(s):	8260B
Sample ID:	MW-5	Lab ID:	2005-03-0477 - 8
Sampled:	03/11/2005 08:43	Extracted:	3/22/2005 00:17
Matrix:	Water	QC Batch#:	2005/03/21-2D.69

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	03/22/2005 00:17	
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	03/22/2005 00:17	
Di-isopropyl Ether (DIPE)	ND	0.50	ug/L	1.00	03/22/2005 00:17	
Ethyl tert-butyl ether (ETBE)	ND	0.50	ug/L	1.00	03/22/2005 00:17	
tert-Amyl methyl ether (TAME)	ND	0.50	ug/L	1.00	03/22/2005 00:17	
1,2-DCA	ND	0.50	ug/L	1.00	03/22/2005 00:17	
EDB	ND	0.50	ug/L	1.00	03/22/2005 00:17	
Ethanol	ND	50	ug/L	1.00	03/22/2005 00:17	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	100.3	73-130	%	1.00	03/22/2005 00:17	
Toluene-d8	97.4	81-114	%	1.00	03/22/2005 00:17	

**Gas/BTEX Fuel Oxygenates by 8260B**

TRC Alton Geoscience- Irvine

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21 Technology Drive

Irvine, CA 92718

Phone: (949) 341-7440 Fax: (949) 753-0111

Project: 41050001FA20

Conoco Phillips #11249

Received: 03/14/2005 15:55

Site: 1300 Farmers Lane, Santa Rosa

Prep(s):	5030B	Test(s):	8260B
Sample ID:	MW-10	Lab ID:	2005-03-0477 - 9
Sampled:	03/11/2005 09:09	Extracted:	3/22/2005 00:37
Matrix:	Water	QC Batch#:	2005/03/21-2D.69

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	03/22/2005 00:37	
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	03/22/2005 00:37	
Di-isopropyl Ether (DIPE)	ND	0.50	ug/L	1.00	03/22/2005 00:37	
Ethyl tert-butyl ether (ETBE)	ND	0.50	ug/L	1.00	03/22/2005 00:37	
tert-Amyl methyl ether (TAME)	ND	0.50	ug/L	1.00	03/22/2005 00:37	
1,2-DCA	ND	0.50	ug/L	1.00	03/22/2005 00:37	
EDB	ND	0.50	ug/L	1.00	03/22/2005 00:37	
Ethanol	ND	50	ug/L	1.00	03/22/2005 00:37	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	98.2	73-130	%	1.00	03/22/2005 00:37	
Toluene-d8	95.0	81-114	%	1.00	03/22/2005 00:37	

**Gas/BTEX Fuel Oxygenates by 8260B**

TRC Alton Geoscience- Irvine

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Irvine, CA 92718

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Project: 41050001FA20

Conoco Phillips #11249

Received: 03/14/2005 15:55

Site: 1300 Farmers Lane, Santa Rosa

Prep(s):	5030B	Test(s):	8260B
Sample ID:	MW-3	Lab ID:	2005-03-0477 - 10
Sampled:	03/11/2005 09:16	Extracted:	3/22/2005 00:56
Matrix:	Water	QC Batch#:	2005/03/21-2D.69

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	03/22/2005 00:56	
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	03/22/2005 00:56	
Di-isopropyl Ether (DIPE)	ND	0.50	ug/L	1.00	03/22/2005 00:56	
Ethyl tert-butyl ether (ETBE)	ND	0.50	ug/L	1.00	03/22/2005 00:56	
tert-Amyl methyl ether (TAME)	ND	0.50	ug/L	1.00	03/22/2005 00:56	
1,2-DCA	ND	0.50	ug/L	1.00	03/22/2005 00:56	
EDB	ND	0.50	ug/L	1.00	03/22/2005 00:56	
Ethanol	ND	50	ug/L	1.00	03/22/2005 00:56	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	97.9	73-130	%	1.00	03/22/2005 00:56	
Toluene-d8	87.4	81-114	%	1.00	03/22/2005 00:56	

**Gas/BTEX Fuel Oxygenates by 8260B**

TRC Alton Geoscience- Irvine

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21 Technology Drive

Irvine, CA 92718

Phone: (949) 341-7440 Fax: (949) 753-0111

Project: 41050001FA20

Conoco Phillips #11249

Received: 03/14/2005 15:55

Site: 1300 Farmers Lane, Santa Rosa

Prep(s):	5030B	Test(s):	8260B
Sample ID:	MW-1	Lab ID:	2005-03-0477 - 11
Sampled:	03/11/2005 09:33	Extracted:	3/22/2005 01:15
Matrix:	Water	QC Batch#:	2005/03/21-2D.69

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	03/22/2005 01:15	
Methyl tert-butyl ether (MTBE)	0.87	0.50	ug/L	1.00	03/22/2005 01:15	
Di-isopropyl Ether (DIPE)	ND	0.50	ug/L	1.00	03/22/2005 01:15	
Ethyl tert-butyl ether (ETBE)	ND	0.50	ug/L	1.00	03/22/2005 01:15	
tert-Amyl methyl ether (TAME)	ND	0.50	ug/L	1.00	03/22/2005 01:15	
1,2-DCA	ND	0.50	ug/L	1.00	03/22/2005 01:15	
EDB	ND	0.50	ug/L	1.00	03/22/2005 01:15	
Ethanol	ND	50	ug/L	1.00	03/22/2005 01:15	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	100.3	73-130	%	1.00	03/22/2005 01:15	
Toluene-d8	91.8	81-114	%	1.00	03/22/2005 01:15	

**Gas/BTEX Fuel Oxygenates by 8260B**

TRC Alton Geoscience- Irvine

Attn.: Anju Farfan

21 Technology Drive

Irvine, CA 92718

Phone: (949) 341-7440 Fax: (949) 753-0111

Project: 41050001FA20

Conoco Phillips #11249

Received: 03/14/2005 15:55

Site: 1300 Farmers Lane, Santa Rosa

Prep(s):	5030B	Test(s):	8260B
Sample ID:	MW-2	Lab ID:	2005-03-0477 - 12
Sampled:	03/11/2005 09:46	Extracted:	3/22/2005 01:35
Matrix:	Water	QC Batch#:	2005/03/21-2D.69

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	03/22/2005 01:35	
Methyl tert-butyl ether (MTBE)	6.0	0.50	ug/L	1.00	03/22/2005 01:35	
Di-isopropyl Ether (DIPE)	ND	0.50	ug/L	1.00	03/22/2005 01:35	
Ethyl tert-butyl ether (ETBE)	ND	0.50	ug/L	1.00	03/22/2005 01:35	
tert-Amyl methyl ether (TAME)	ND	0.50	ug/L	1.00	03/22/2005 01:35	
1,2-DCA	ND	0.50	ug/L	1.00	03/22/2005 01:35	
EDB	ND	0.50	ug/L	1.00	03/22/2005 01:35	
Ethanol	ND	50	ug/L	1.00	03/22/2005 01:35	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	103.4	73-130	%	1.00	03/22/2005 01:35	
Toluene-d8	91.4	81-114	%	1.00	03/22/2005 01:35	

**Gas/BTEX Fuel Oxygenates by 8260B**

TRC Alton Geoscience- Irvine

Attn.: Anju Farfan

21 Technology Drive

Irvine, CA 92718

Phone: (949) 341-7440 Fax: (949) 753-0111

Project: 41050001FA20

Conoco Phillips #11249

Received: 03/14/2005 15:55

Site: 1300 Farmers Lane, Santa Rosa

Prep(s):	5030B	Test(s):	8260B
Sample ID:	MW-4	Lab ID:	2005-03-0477 - 13
Sampled:	03/11/2005 09:57	Extracted:	3/22/2005 01:54
Matrix:	Water	QC Batch#:	2005/03/21-2D.69

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
tert-Butyl alcohol (TBA)	240	5.0	ug/L	1.00	03/22/2005 01:54	
Methyl tert-butyl ether (MTBE)	22	0.50	ug/L	1.00	03/22/2005 01:54	
Di-isopropyl Ether (DIPE)	ND	0.50	ug/L	1.00	03/22/2005 01:54	
Ethyl tert-butyl ether (ETBE)	ND	0.50	ug/L	1.00	03/22/2005 01:54	
tert-Amyl methyl ether (TAME)	ND	0.50	ug/L	1.00	03/22/2005 01:54	
1,2-DCA	ND	0.50	ug/L	1.00	03/22/2005 01:54	
EDB	ND	0.50	ug/L	1.00	03/22/2005 01:54	
Ethanol	ND	50	ug/L	1.00	03/22/2005 01:54	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	97.2	73-130	%	1.00	03/22/2005 01:54	
Toluene-d8	95.8	81-114	%	1.00	03/22/2005 01:54	

**Gas/BTEX Fuel Oxygenates by 8260B**

TRC Alton Geoscience- Irvine

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Project: 41050001FA20  
Conoco Phillips #11249

Received: 03/14/2005 15:55

Site: 1300 Farmers Lane, Santa Rosa

Batch QC Report					
Prep(s): 5030B		Water		Test(s): 8260B	
Method Blank				QC Batch # 2005/03/21-2D.69	
MB: 2005/03/21-2D.69-055				Date Extracted: 03/21/2005 18:55	
Compound	Conc.	RL	Unit	Analyzed	Flag
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	03/21/2005 18:55	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	03/21/2005 18:55	
Di-isopropyl Ether (DIPE)	ND	0.5	ug/L	03/21/2005 18:55	
Ethyl tert-butyl ether (ETBE)	ND	0.5	ug/L	03/21/2005 18:55	
tert-Amyl methyl ether (TAME)	ND	0.5	ug/L	03/21/2005 18:55	
1,2-DCA	ND	0.5	ug/L	03/21/2005 18:55	
EDB	ND	0.5	ug/L	03/21/2005 18:55	
Ethanol	ND	50	ug/L	03/21/2005 18:55	
<b>Surrogates(s)</b>					
1,2-Dichloroethane-d4	93.5	73-130	%	03/21/2005 18:55	
Toluene-d8	86.9	81-114	%	03/21/2005 18:55	

**Gas/BTEX Fuel Oxygenates by 8260B**

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Conoco Phillips #11249

Received: 03/14/2005 15:55

Site: 1300 Farmers Lane, Santa Rosa

Batch QC Report									
Prep(s): 5030B					Test(s): 8260B				
Laboratory Control Spike			Water			QC Batch # 2005/03/21-2D.69			
LCS	2005/03/21-2D.69-036		Extracted: 03/21/2005			Analyzed: 03/21/2005 18:36			
LCSD									

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Methyl tert-butyl ether (MTBE)	26.3		25	105.2			65-165	20		
<b>Surrogates(s)</b>										
1,2-Dichloroethane-d4	438		500	87.6			73-130			
Toluene-d8	434		500	86.8			81-114			

**Gas/BTEX Fuel Oxygenates by 8260B**

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Conoco Phillips #11249

Received: 03/14/2005 15:55

Site: 1300 Farmers Lane, Santa Rosa

Batch QC Report			
Prep(s): 5030B			Test(s): 8260B
<b>Matrix Spike ( MS / MSD )</b>	<b>Water</b>	<b>QC Batch # 2005/03/21-2D.69</b>	
MW-9S >> MS		Lab ID:	2005-03-0477 - 001
MS: 2005/03/21-2D.69-024	Extracted: 03/21/2005	Analyzed:	03/21/2005 21:24
		Dilution:	1.00
MSD: 2005/03/21-2D.69-043	Extracted: 03/21/2005	Analyzed:	03/21/2005 21:43
		Dilution:	1.00

Compound	Conc. ug/L			Spk.Level ug/L	Recovery %			Limits %		Flags	
	MS	MSD	Sample		MS	MSD	RPD	Rec.	RPD	MS	MSD
Methyl tert-butyl ether	29.1	29.9	5.17	25	95.7	98.9	3.3	65-165	20		
<i>Surrogate(s)</i>											
1,2-Dichloroethane-d4	457	437		500	91.4	87.4		73-130			
Toluene-d8	460	484		500	92.1	96.8		81-114			

Severn Trent Laboratories, Inc.

STL San Francisco \* 1220 Quarry Lane, Pleasanton, CA 94566

Tel 925 484 1919 Fax 925 484 1096 \* www.stl-inc.com \* CA DHS ELAP# 2496

03/24/2005 17:14

**Gas/BTEX Fuel Oxygenates by 8260B**

TRC Alton Geoscience- Irvine

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Project: 41050001FA20

Conoco Phillips #11249

Received: 03/14/2005 15:55

Site: 1300 Farmers Lane, Santa Rosa

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**Legend and Notes**

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**Analysis Flag**

L2

Reporting limits were raised due to high level of analyte present in the sample.

**Gas/BTEX Compounds by 8015M/8021**

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Project: 41050001FA20

Conoco Phillips #11249

Received: 03/14/2005 15:55

Site: 1300 Farmers Lane, Santa Rosa

**Samples Reported**

Sample Name	Date Sampled	Matrix	Lab #
MW-9S	03/11/2005 10:25	Water	1
MW-9D	03/11/2005 09:24	Water	2
MW-8S	03/11/2005 08:35	Water	3
MW-8D	03/11/2005 08:31	Water	4
MW-7D	03/11/2005 09:41	Water	5
MW-7	03/11/2005 09:43	Water	6
MW-6	03/11/2005 10:40	Water	7
MW-5	03/11/2005 08:43	Water	8
MW-10	03/11/2005 09:09	Water	9
MW-3	03/11/2005 09:16	Water	10
MW-1	03/11/2005 09:33	Water	11
MW-2	03/11/2005 09:46	Water	12
MW-4	03/11/2005 09:57	Water	13

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03/29/2005 13:54

**Gas/BTEX Compounds by 8015M/8021**

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Project: 41050001FA20

Conoco Phillips #11249

Received: 03/14/2005 15:55

Site: 1300 Farmers Lane, Santa Rosa

Prep(s):	5030	Test(s):	8015M
	5030		8021B
Sample ID:	<b>MW-9S</b>	Lab ID:	2005-03-0477 - 1
Sampled:	03/11/2005 10:25	Extracted:	3/24/2005 12:41
Matrix:	Water	QC Batch#:	2005/03/24-01.05

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
GRO (C6-C12)	53	50	ug/L	1.00	03/24/2005 12:41	Q6
Benzene	ND	0.50	ug/L	1.00	03/24/2005 12:41	
Toluene	ND	0.50	ug/L	1.00	03/24/2005 12:41	
Ethyl benzene	ND	0.50	ug/L	1.00	03/24/2005 12:41	
Xylene(s)	ND	0.50	ug/L	1.00	03/24/2005 12:41	
MTBE	15	5.0	ug/L	1.00	03/24/2005 12:41	
<b>Surrogate(s)</b>						
Trifluorotoluene	106.9	58-124	%	1.00	03/24/2005 12:41	
4-Bromofluorobenzene-FID	89.7	50-150	%	1.00	03/24/2005 12:41	

**Gas/BTEX Compounds by 8015M/8021**

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Project: 41050001FA20

Conoco Phillips #11249

Received: 03/14/2005 15:55

Site: 1300 Farmers Lane, Santa Rosa

Prep(s):	5030 5030	Test(s):	8015M 8021B
Sample ID:	<b>MW-9D</b>	Lab ID:	2005-03-0477 - 2
Sampled:	03/11/2005 09:24	Extracted:	3/24/2005 13:15
Matrix:	Water	QC Batch#:	2005/03/24-01.05

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
GRO (C6-C12)	ND	50	ug/L	1.00	03/24/2005 13:15	
Benzene	ND	0.50	ug/L	1.00	03/24/2005 13:15	
Toluene	ND	0.50	ug/L	1.00	03/24/2005 13:15	
Ethyl benzene	ND	0.50	ug/L	1.00	03/24/2005 13:15	
Xylene(s)	ND	0.50	ug/L	1.00	03/24/2005 13:15	
MTBE	ND	5.0	ug/L	1.00	03/24/2005 13:15	
<b>Surrogate(s)</b>						
Trifluorotoluene	110.2	58-124	%	1.00	03/24/2005 13:15	
4-Bromofluorobenzene-FID	87.5	50-150	%	1.00	03/24/2005 13:15	

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Project: 41050001FA20

Conoco Phillips #11249

Received: 03/14/2005 15:55

Site: 1300 Farmers Lane, Santa Rosa

Prep(s):	5030 5030	Test(s):	8015M 8021B
Sample ID:	<b>MW-8S</b>	Lab ID:	2005-03-0477 - 3
Sampled:	03/11/2005 08:35	Extracted:	3/24/2005 15:05
Matrix:	Water	QC Batch#:	2005/03/24-01.05

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
GRO (C6-C12)	ND	50	ug/L	1.00	03/24/2005 15:05	
Benzene	ND	0.50	ug/L	1.00	03/24/2005 15:05	
Toluene	ND	0.50	ug/L	1.00	03/24/2005 15:05	
Ethyl benzene	ND	0.50	ug/L	1.00	03/24/2005 15:05	
Xylene(s)	ND	0.50	ug/L	1.00	03/24/2005 15:05	
MTBE	14	5.0	ug/L	1.00	03/24/2005 15:05	
<b>Surrogate(s)</b>						
Trifluorotoluene	105.0	58-124	%	1.00	03/24/2005 15:05	
4-Bromofluorobenzene-FID	87.7	50-150	%	1.00	03/24/2005 15:05	

**Gas/BTEX Compounds by 8015M/8021**

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Project: 41050001FA20

Conoco Phillips #11249

Received: 03/14/2005 15:55

Site: 1300 Farmers Lane, Santa Rosa

Prep(s):	5030 5030	Test(s):	8015M 8021B
Sample ID:	<b>MW-8D</b>	Lab ID:	2005-03-0477 - 4
Sampled:	03/11/2005 08:31	Extracted:	3/24/2005 15:38
Matrix:	Water	QC Batch#:	2005/03/24-01.05

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
GRO (C6-C12)	ND	50	ug/L	1.00	03/24/2005 15:38	
Benzene	ND	0.50	ug/L	1.00	03/24/2005 15:38	
Toluene	ND	0.50	ug/L	1.00	03/24/2005 15:38	
Ethyl benzene	ND	0.50	ug/L	1.00	03/24/2005 15:38	
Xylene(s)	ND	0.50	ug/L	1.00	03/24/2005 15:38	
MTBE	ND	5.0	ug/L	1.00	03/24/2005 15:38	
<b>Surrogate(s)</b>						
Trifluorotoluene	108.5	58-124	%	1.00	03/24/2005 15:38	
4-Bromofluorobenzene-FID	85.2	50-150	%	1.00	03/24/2005 15:38	

**Gas/BTEX Compounds by 8015M/8021**

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Project: 41050001FA20

Conoco Phillips #11249

Received: 03/14/2005 15:55

Site: 1300 Farmers Lane, Santa Rosa

Prep(s):	5030	Test(s):	8015M
	5030		8021B
Sample ID:	<b>MW-7D</b>	Lab ID:	2005-03-0477 - 5
Sampled:	03/11/2005 09:41	Extracted:	3/24/2005 16:12
Matrix:	Water	QC Batch#:	2005/03/24-01.05

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
GRO (C6-C12)	ND	50	ug/L	1.00	03/24/2005 16:12	
Benzene	ND	0.50	ug/L	1.00	03/24/2005 16:12	
Toluene	ND	0.50	ug/L	1.00	03/24/2005 16:12	
Ethyl benzene	ND	0.50	ug/L	1.00	03/24/2005 16:12	
Xylene(s)	ND	0.50	ug/L	1.00	03/24/2005 16:12	
MTBE	ND	5.0	ug/L	1.00	03/24/2005 16:12	
<b>Surrogate(s)</b>						
Trifluorotoluene	108.3	58-124	%	1.00	03/24/2005 16:12	
4-Bromofluorobenzene-FID	85.5	50-150	%	1.00	03/24/2005 16:12	

**Gas/BTEX Compounds by 8015M/8021**

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Project: 41050001FA20  
Conoco Phillips #11249

Received: 03/14/2005 15:55

Site: 1300 Farmers Lane, Santa Rosa

Prep(s):	5030	Test(s):	8015M
	5030		8021B
Sample ID:	<b>MW-7</b>	Lab ID:	2005-03-0477 - 6
Sampled:	03/11/2005 09:43	Extracted:	3/25/2005 11:05
Matrix:	Water	QC Batch#:	2005/03/25-01.05
Analysis Flag: L2 ( See Legend and Note Section )			

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
GRO (C6-C12)	260	100	ug/L	2.00	03/25/2005 11:05	Q1
Benzene	ND	1.0	ug/L	2.00	03/25/2005 11:05	
Toluene	ND	1.0	ug/L	2.00	03/25/2005 11:05	
Ethyl benzene	ND	1.0	ug/L	2.00	03/25/2005 11:05	
Xylene(s)	ND	1.0	ug/L	2.00	03/25/2005 11:05	
MTBE	87	10	ug/L	2.00	03/25/2005 11:05	
<b>Surrogate(s)</b>						
Trifluorotoluene	93.4	58-124	%	2.00	03/25/2005 11:05	
4-Bromofluorobenzene-FID	81.1	50-150	%	2.00	03/25/2005 11:05	

**Gas/BTEX Compounds by 8015M/8021**

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Project: 41050001FA20

Conoco Phillips #11249

Received: 03/14/2005 15:55

Site: 1300 Farmers Lane, Santa Rosa

Prep(s):	5030	Test(s):	8015M
	5030		8021B
Sample ID:	MW-6	Lab ID:	2005-03-0477 - 7
Sampled:	03/11/2005 10:40	Extracted:	3/24/2005 17:19
Matrix:	Water	QC Batch#:	2005/03/24-01.05

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
GRO (C6-C12)	ND	50	ug/L	1.00	03/24/2005 17:19	
Benzene	ND	0.50	ug/L	1.00	03/24/2005 17:19	
Toluene	ND	0.50	ug/L	1.00	03/24/2005 17:19	
Ethyl benzene	ND	0.50	ug/L	1.00	03/24/2005 17:19	
Xylene(s)	ND	0.50	ug/L	1.00	03/24/2005 17:19	
MTBE	14	5.0	ug/L	1.00	03/24/2005 17:19	
<b>Surrogate(s)</b>						
Trifluorotoluene	110.6	58-124	%	1.00	03/24/2005 17:19	
4-Bromofluorobenzene-FID	84.1	50-150	%	1.00	03/24/2005 17:19	

**Gas/BTEX Compounds by 8015M/8021**

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Conoco Phillips #11249

Received: 03/14/2005 15:55

Site: 1300 Farmers Lane, Santa Rosa

Prep(s):	5030 5030	Test(s):	8015M 8021B
Sample ID:	MW-5	Lab ID:	2005-03-0477 - 8
Sampled:	03/11/2005 08:43	Extracted:	3/24/2005 17:53
Matrix:	Water	QC Batch#:	2005/03/24-01.05

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
GRO (C6-C12)	ND	50	ug/L	1.00	03/24/2005 17:53	
Benzene	ND	0.50	ug/L	1.00	03/24/2005 17:53	
Toluene	ND	0.50	ug/L	1.00	03/24/2005 17:53	
Ethyl benzene	ND	0.50	ug/L	1.00	03/24/2005 17:53	
Xylene(s)	ND	0.50	ug/L	1.00	03/24/2005 17:53	
MTBE	ND	5.0	ug/L	1.00	03/24/2005 17:53	
<b>Surrogate(s)</b>						
Trifluorotoluene	108.5	58-124	%	1.00	03/24/2005 17:53	
4-Bromofluorobenzene-FID	85.3	50-150	%	1.00	03/24/2005 17:53	

**Gas/BTEX Compounds by 8015M/8021**

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Conoco Phillips #11249

Received: 03/14/2005 15:55

Site: 1300 Farmers Lane, Santa Rosa

Prep(s):	5030 5030	Test(s):	8015M 8021B
Sample ID:	<b>MW-10</b>	Lab ID:	2005-03-0477 - 9
Sampled:	03/11/2005 09:09	Extracted:	3/24/2005 18:26
Matrix:	Water	QC Batch#:	2005/03/24-01.05

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
GRO (C6-C12)	ND	50	ug/L	1.00	03/24/2005 18:26	
Benzene	ND	0.50	ug/L	1.00	03/24/2005 18:26	
Toluene	ND	0.50	ug/L	1.00	03/24/2005 18:26	
Ethyl benzene	ND	0.50	ug/L	1.00	03/24/2005 18:26	
Xylene(s)	ND	0.50	ug/L	1.00	03/24/2005 18:26	
MTBE	ND	5.0	ug/L	1.00	03/24/2005 18:26	
<b>Surrogate(s)</b>						
Trifluorotoluene	107.9	58-124	%	1.00	03/24/2005 18:26	
4-Bromofluorobenzene-FID	85.9	50-150	%	1.00	03/24/2005 18:26	

**Gas/BTEX Compounds by 8015M/8021**

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Received: 03/14/2005 15:55

Site: 1300 Farmers Lane, Santa Rosa

Prep(s):	5030 5030	Test(s):	8015M 8021B
Sample ID:	MW-3	Lab ID:	2005-03-0477 - 10
Sampled:	03/11/2005 09:16	Extracted:	3/24/2005 18:59
Matrix:	Water	QC Batch#:	2005/03/24-01.05

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
GRO (C6-C12)	ND	50	ug/L	1.00	03/24/2005 18:59	
Benzene	ND	0.50	ug/L	1.00	03/24/2005 18:59	
Toluene	ND	0.50	ug/L	1.00	03/24/2005 18:59	
Ethyl benzene	ND	0.50	ug/L	1.00	03/24/2005 18:59	
Xylene(s)	ND	0.50	ug/L	1.00	03/24/2005 18:59	
MTBE	ND	5.0	ug/L	1.00	03/24/2005 18:59	
<b>Surrogate(s)</b>						
Trifluorotoluene	105.6	58-124	%	1.00	03/24/2005 18:59	
4-Bromofluorobenzene-FID	86.0	50-150	%	1.00	03/24/2005 18:59	

**Gas/BTEX Compounds by 8015M/8021**

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Project: 41050001FA20  
Conoco Phillips #11249

Received: 03/14/2005 15:55

Site: 1300 Farmers Lane, Santa Rosa

Prep(s):	5030 5030	Test(s):	8015M 8021B
Sample ID:	MW-1	Lab ID:	2005-03-0477 - 11
Sampled:	03/11/2005 09:33	Extracted:	3/24/2005 19:33
Matrix:	Water	QC Batch#:	2005/03/24-01.05

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
GRO (C6-C12)	ND	50	ug/L	1.00	03/24/2005 19:33	
Benzene	ND	0.50	ug/L	1.00	03/24/2005 19:33	
Toluene	ND	0.50	ug/L	1.00	03/24/2005 19:33	
Ethyl benzene	ND	0.50	ug/L	1.00	03/24/2005 19:33	
Xylene(s)	ND	0.50	ug/L	1.00	03/24/2005 19:33	
MTBE	ND	5.0	ug/L	1.00	03/24/2005 19:33	
<b>Surrogate(s)</b>						
Trifluorotoluene	104.0	58-124	%	1.00	03/24/2005 19:33	
4-Bromofluorobenzene-FID	85.9	50-150	%	1.00	03/24/2005 19:33	

**Gas/BTEX Compounds by 8015M/8021**

TRC Alton Geoscience- Irvine

Attn.: Anju Farfan

21 Technology Drive

Irvine, CA 92718

Phone: (949) 341-7440 Fax: (949) 753-0111

Project: 41050001FA20

Conoco Phillips #11249

Received: 03/14/2005 15:55

Site: 1300 Farmers Lane, Santa Rosa

Prep(s):	5030	Test(s):	8015M
	5030		8021B
Sample ID:	<b>MW-2</b>	Lab ID:	2005-03-0477 - 12
Sampled:	03/11/2005 09:46	Extracted:	3/24/2005 20:06
Matrix:	Water	QC Batch#:	2005/03/24-01.05

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
GRO (C6-C12)	ND	50	ug/L	1.00	03/24/2005 20:06	
Benzene	ND	0.50	ug/L	1.00	03/24/2005 20:06	
Toluene	ND	0.50	ug/L	1.00	03/24/2005 20:06	
Ethyl benzene	ND	0.50	ug/L	1.00	03/24/2005 20:06	
Xylene(s)	ND	0.50	ug/L	1.00	03/24/2005 20:06	
MTBE	5.6	5.0	ug/L	1.00	03/24/2005 20:06	
<b>Surrogate(s)</b>						
Trifluorotoluene	108.2	58-124	%	1.00	03/24/2005 20:06	
4-Bromofluorobenzene-FID	89.5	50-150	%	1.00	03/24/2005 20:06	

**Gas/BTEX Compounds by 8015M/8021**

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Project: 41050001FA20  
Conoco Phillips #11249

Received: 03/14/2005 15:55

Site: 1300 Farmers Lane, Santa Rosa

Prep(s):	5030 5030	Test(s):	8015M 8021B
Sample ID:	MW-4	Lab ID:	2005-03-0477 - 13
Sampled:	03/11/2005 09:57	Extracted:	3/24/2005 21:46
Matrix:	Water	QC Batch#:	2005/03/24-01.05

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
GRO (C6-C12)	160	50	ug/L	1.00	03/24/2005 21:46	Q1
Benzene	2.1	0.50	ug/L	1.00	03/24/2005 21:46	
Toluene	ND	0.50	ug/L	1.00	03/24/2005 21:46	
Ethyl benzene	0.61	0.50	ug/L	1.00	03/24/2005 21:46	
Xylene(s)	ND	0.50	ug/L	1.00	03/24/2005 21:46	
MTBE	23	5.0	ug/L	1.00	03/24/2005 21:46	
<b>Surrogate(s)</b>						
Trifluorotoluene	98.4	58-124	%	1.00	03/24/2005 21:46	
4-Bromofluorobenzene-FID	84.7	50-150	%	1.00	03/24/2005 21:46	

**Gas/BTEX Compounds by 8015M/8021**

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Phone: (949) 341-7440 Fax: (949) 753-0111

Project: 41050001FA20

Conoco Phillips #11249

Received: 03/14/2005 15:55

Site: 1300 Farmers Lane, Santa Rosa

Batch QC Report		
Prep(s): 5030		Test(s): 8015M
5030		8021B
<b>Method Blank</b>	<b>Water</b>	<b>QC Batch # 2005/03/24-01.05</b>
MB: 2005/03/24-01.05-003		Date Extracted: 03/24/2005 07:55

Compound	Conc.	RL	Unit	Analyzed	Flag
GRO (C6-C12)	ND	50	ug/L	03/24/2005 07:55	
Benzene	ND	0.5	ug/L	03/24/2005 07:55	
Toluene	ND	0.5	ug/L	03/24/2005 07:55	
Ethyl benzene	ND	0.5	ug/L	03/24/2005 07:55	
Xylene(s)	ND	0.5	ug/L	03/24/2005 07:55	
MTBE	ND	5.0	ug/L	03/24/2005 07:55	
<b>Surrogates(s)</b>					
4-Bromofluorobenzene	129.8	50-150	%	03/24/2005 07:55	
4-Bromofluorobenzene-FID	108.6	50-150	%	03/24/2005 07:55	

**Gas/BTEX Compounds by 8015M/8021**

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Project: 41050001FA20

Conoco Phillips #11249

Received: 03/14/2005 15:55

Site: 1300 Farmers Lane, Santa Rosa

Batch QC Report			
Prep(s): 5030			Test(s): 8015M
5030			8021B
<b>Method Blank</b>		<b>Water</b>	<b>QC Batch # 2005/03/25-01.05</b>
MB: 2005/03/25-01.05-003			Date Extracted: 03/25/2005 08:16

Compound	Conc.	RL	Unit	Analyzed	Flag
GRO (C6-C12)	ND	50	ug/L	03/25/2005 08:16	
Benzene	ND	0.5	ug/L	03/25/2005 08:16	
Toluene	ND	0.5	ug/L	03/25/2005 08:16	
Ethyl benzene	ND	0.5	ug/L	03/25/2005 08:16	
Xylene(s)	ND	0.5	ug/L	03/25/2005 08:16	
MTBE	ND	5.0	ug/L	03/25/2005 08:16	
<b>Surrogates(s)</b>					
Trifluorotoluene	105.6	58-124	%	03/25/2005 08:16	
4-Bromofluorobenzene-FID	87.8	50-150	%	03/25/2005 08:16	

**Gas/BTEX Compounds by 8015M/8021**

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Project: 41050001FA20  
Conoco Phillips #11249

Received: 03/14/2005 15:55

Site: 1300 Farmers Lane, Santa Rosa

Batch QC Report									
Prep(s): 5030					Test(s): 8021B				
<b>Laboratory Control Spike</b>			<b>Water</b>			<b>QC Batch # 2005/03/24-01.05</b>			
LCS	2005/03/24-01.05-004		Extracted: 03/24/2005			Analyzed: 03/24/2005 08:29			
LCSD									

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Benzene	52.3		50.0	104.6			77-123	20		
Toluene	54.2		50.0	108.4			78-122	20		
Ethyl benzene	56.1		50.0	112.2			70-130	20		
Xylene(s)	169		150	112.7			75-125	20		
<b>Surrogates(s)</b>										
Trifluorotoluene	552		500	110.4			58-124			

Severn Trent Laboratories, Inc.

STL San Francisco \* 1220 Quarry Lane, Pleasanton, CA 94566

Tel 925 484 1919 Fax 925 484 1096 \* www.stl-inc.com \* CA DHS ELAP# 2496

03/29/2005 13:54

**Gas/BTEX Compounds by 8015M/8021**

TRC Alton Geoscience- Irvine

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21 Technology Drive

Irvine, CA 92718

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Project: 41050001FA20

Conoco Phillips #11249

Received: 03/14/2005 15:55

Site: 1300 Farmers Lane, Santa Rosa

Batch QC Report									
Prep(s): 5030					Test(s): 8015M				
Laboratory Control Spike			Water			QC Batch # 2005/03/24-01.05			
LCS	2005/03/24-01.05-005		Extracted: 03/24/2005			Analyzed: 03/24/2005 09:02			
LCSD									

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
GRO (C6-C12)	239		250	95.6			75-125	20		
<b>Surrogates(s)</b> 4-Bromofluorobenzene-FID	491		500	98.2			50-150			

**Gas/BTEX Compounds by 8015M/8021**

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Project: 41050001FA20

Conoco Phillips #11249

Received: 03/14/2005 15:55

Site: 1300 Farmers Lane, Santa Rosa

Batch QC Report									
Prep(s): 5030					Test(s): 8021B				
Laboratory Control Spike			Water			QC Batch # 2005/03/25-01.05			
LCS 2005/03/25-01.05-004			Extracted: 03/25/2005			Analyzed: 03/25/2005 08:50			
LCSD									

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Benzene	50.9		50.0	101.8			77-123	20		
Toluene	53.1		50.0	106.2			78-122	20		
Ethyl benzene	53.6		50.0	107.2			70-130	20		
Xylene(s)	161		150	107.3			75-125	20		
<b>Surrogates(s)</b>										
Trifluorotoluene	534		500	106.8			58-124			

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**Gas/BTEX Compounds by 8015M/8021**

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Project: 41050001FA20

Conoco Phillips #11249

Received: 03/14/2005 15:55

Site: 1300 Farmers Lane, Santa Rosa

Batch QC Report									
Prep(s): 5030					Test(s): 8015M				
<b>Laboratory Control Spike</b>			<b>Water</b>			<b>QC Batch # 2005/03/25-01.05</b>			
LCS	2005/03/25-01.05-005		Extracted: 03/25/2005			Analyzed: 03/25/2005 09:23			
LCSD									

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
GRO (C6-C12)	235		250	94.0			75-125	20		
<b>Surrogates(s)</b>										
4-Bromofluorobenzene-FID	452		500	90.4			50-150	0		

**Gas/BTEX Compounds by 8015M/8021**

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Irvine, CA 92718  
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Project: 41050001FA20  
Conoco Phillips #11249

Received: 03/14/2005 15:55

Site: 1300 Farmers Lane, Santa Rosa

Batch QC Report			
Prep(s): 5030			Test(s): 8021B
<b>Matrix Spike ( MS / MSD )</b>	<b>Water</b>	<b>QC Batch # 2005/03/24-01.05</b>	
MS/MSD			Lab ID: 2005-03-0368 - 001
MS: 2005/03/24-01.05-030	Extracted: 03/25/2005	Analyzed:	03/25/2005
		Dilution:	1.00
MSD: 2005/03/24-01.05-031	Extracted: 03/25/2005	Analyzed:	03/25/2005 00:34
		Dilution:	1.00

Compound	Conc. ug/L			Spk.Level ug/L	Recovery %			Limits %		Flags	
	MS	MSD	Sample		MS	MSD	RPD	Rec.	RPD	MS	MSD
Benzene	50.6	51.2	ND	50.0	101.2	102.4	1.2	65-135	20		
Toluene	53.0	52.7	ND	50.0	106.0	105.4	0.6	65-135	20		
Ethyl benzene	53.3	51.7	ND	50.0	106.6	103.4	3.0	65-135	20		
Xylene(s)	160	153	ND	150	106.7	102.0	4.5	65-135	20		
<b>Surrogate(s)</b>											
Trifluorotoluene	506	486		500	101.2	97.2		58-124			

**Gas/BTEX Compounds by 8015M/8021**

TRC Alton Geoscience- Irvine  
Attn.: Anju Farfan

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Project: 41050001FA20  
Conoco Phillips #11249

Received: 03/14/2005 15:55

Site: 1300 Farmers Lane, Santa Rosa

**Batch QC Report**

Prep(s): 5030	Test(s): 8015M
<b>Matrix Spike ( MS / MSD )</b>	<b>Water</b>
	<b>QC Batch # 2005/03/24-01.05</b>
MS/MSD	Lab ID: 2005-03-0368 - 002
MS: 2005/03/24-01.05-032	Extracted: 03/25/2005
	Analyzed: 03/25/2005 01:07
	Dilution: 1.00
MSD: 2005/03/24-01.05-033	Extracted: 03/25/2005
	Analyzed: 03/25/2005 01:41
	Dilution: 1.00

Compound	Conc. ug/L			Spk.Level	Recovery %			Limits %		Flags	
	MS	MSD	Sample		ug/L	MS	MSD	RPD	Rec.	RPD	MS
GRO (C6-C12)	218	226	ND	250	87.2	90.4	3.6	65-135	20		
<i>Surrogate(s)</i>											
4-Bromofluorobenzene-FID	398	427		500	79.6	85.4		50-150			

**Gas/BTEX Compounds by 8015M/8021**

TRC Alton Geoscience- Irvine

Attn.: Anju Farfan

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Phone: (949) 341-7440 Fax: (949) 753-0111

Project: 41050001FA20  
Conoco Phillips #11249

Received: 03/14/2005 15:55

Site: 1300 Farmers Lane, Santa Rosa

Batch QC Report			
Prep(s): 5030			Test(s): 8021B
<b>Matrix Spike ( MS / MSD )</b>	<b>Water</b>	<b>QC Batch # 2005/03/25-01.05</b>	
MS/MSD			Lab ID: 2005-03-0537 - 001
MS: 2005/03/25-01.05-030	Extracted: 03/26/2005	Analyzed: 03/26/2005 07:02	Dilution: 1.00
MSD: 2005/03/25-01.05-031	Extracted: 03/26/2005	Analyzed: 03/26/2005 07:35	Dilution: 1.00

Compound	Conc. ug/L			Spk.Level	Recovery %			Limits %		Flags	
	MS	MSD	Sample		ug/L	MS	MSD	RPD	Rec.	RPD	MS
Benzene	46.6	49.8	ND	50.0	93.2	99.6	6.6	65-135	20		
Toluene	47.7	51.8	ND	50.0	95.4	103.6	8.2	65-135	20		
Ethyl benzene	46.6	51.7	ND	50.0	93.2	103.4	10.4	65-135	20		
Xylene(s)	140	152	ND	150	93.3	101.3	8.2	65-135	20		
<b>Surrogate(s)</b>											
Trifluorotoluene	471	487		500	94.2	97.4		58-124			

**Gas/BTEX Compounds by 8015M/8021**

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Project: 41050001FA20

Conoco Phillips #11249

Received: 03/14/2005 15:55

Site: 1300 Farmers Lane, Santa Rosa

**Batch QC Report**

Prep(s): 5030	Test(s): 8015M
<b>Matrix Spike ( MS / MSD )</b>	<b>Water</b>
	<b>QC Batch # 2005/03/25-01.05</b>
MS/MSD	Lab ID: 2005-03-0537 - 002
MS: 2005/03/25-01.05-032	Extracted: 03/26/2005
	Analyzed: 03/26/2005 08:09
	Dilution: 1.00
MSD: 2005/03/25-01.05-033	Extracted: 03/26/2005
	Analyzed: 03/26/2005 08:42
	Dilution: 1.00

Compound	Conc. ug/L			Spk.Level ug/L	Recovery %			Limits %		Flags	
	MS	MSD	Sample		MS	MSD	RPD	Rec.	RPD	MS	MSD
GRO (C6-C12)	207	196		250	82.8	78.4	5.5	65-135	20		
<i>Surrogate(s)</i> 4-Bromofluorobenzene-FID	423	407		500	84.6	81.4		50-150			

Severn Trent Laboratories, Inc.

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Tel 925 484 1919 Fax 925 484 1096 \* www.stl-inc.com \* CA DHS ELAP# 2496

03/29/2005 13:54

Page 24 of 25

Gas/BTEX Compounds by 8015M/8021

TRC Alton Geoscience- Irvine

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Conoco Phillips #11249

Received: 03/14/2005 15:55

Site: 1300 Farmers Lane, Santa Rosa

Legend and Notes

**Analysis Flag**

L2

Reporting limits were raised due to high level of analyte present in the sample.

**Result Flag**

Q1

Quantit. of unknown hydrocarbon(s) in sample based on gasoline.

Q6

The concentration reported reflect(s) individual or discrete unidentified peaks not matching a typical fuel pattern.

STL-San Francisco  
 1220 Quarry Lane  
 Pleasanton, CA 94566  
 (925) 484-1919 (925) 484-1098 fax

ConocoPhillips Chain Of Custody Record

103457

ConocoPhillips Site Manager: INVOICE REMITTANCE ADDRESS: <b>2005-03-0477</b> CORCOOPHILLIPS Attn: Dan Hutchinson 3611 South Harbor, Suite 200 Santa Ana, CA 92704		ConocoPhillips Work Order Number: 2337 TRC 501 DATE: 05/11/05 PAGE: 1 of 2	
ConocoPhillips Site Manager: ADDRESS: 21 Technology Drive, Irvine CA 92618 PROJECT CONTACT (Name/Phone/Fax): Anji Farfan 949-341-7440 SAMPLE NAME(S) (Project): DATE/Prefix		ConocoPhillips Cost Object: 1300 FARMETTES LANE SMTA P3A LIZ SEWELL CONOCO PHILLIPS SITE MANAGER	
CONOCO PHILLIPS SITE NUMBER: 11249 CONOCO PHILLIPS PROJECT NUMBER: 41050001FA20		CONOCO PHILLIPS SEC NUMBER: 11249 CONOCO PHILLIPS SITE MANAGER: Liz Sewell	
CONOCO PHILLIPS ADDRESS: 1300 FARMETTES LANE SMTA P3A IRIVINE, CA 92618 CONOCO PHILLIPS PHONE NUMBER: 949-341-7408		CONOCO PHILLIPS SEC NUMBER: 11249 CONOCO PHILLIPS SITE MANAGER: Liz Sewell	
SPECIAL INSTRUCTIONS OR NOTES: <b>FUSH</b> * Field Point name only required if differed from Sample ID Sample Identification/Field Point Name* M/W-9S 2/11/025 6W 9 M/W-9D 3/11/025 1 M/W-8S 3/11/035 1 M/W-8D 3/11/031 1 M/W-7D 3/11/041 1 M/W-7 3/11/043 1 M/W-6 3/11/040 1		REQUESTED ANALYSES: 8015m - TPHd Extractable 8260B - TPHg/BTEX/MIBE 8250B - TPHg/BTEX/8 Oxygenates 8250B - TPHg/BTEX/8 Oxygenates + national (8015M) 8250B - Full Scan VOCs (does not include oxygenates) 8270C - Semi-Volatiles 8015M/8021B - TPHg/BTEX/MIBE Lead Total DSTLC (TCLP) TRH6/PAH5M OTEX (MIBC/8021 8 OXY5/8260B 910AS W/HR	
FIELD NOTES: Combustion Residuals or PID Readings or Laboratory Notes		FIELD NOTES: Combustion Residuals or PID Readings or Laboratory Notes	

Requested by: CAPSAR  
 Received by: CAPSAR  
 Requested by: CAPSAR  
 Received by: CAPSAR  
 Requested by: CAPSAR  
 Received by: CAPSAR  
 Requested by: CAPSAR  
 Received by: CAPSAR



## **STATEMENTS**

### **Purge Water Disposal**

Non-hazardous groundwater produced during purging and sampling of monitoring was accumulated at TRC's groundwater monitoring facility at Concord, California, for transportation by Onyx Transportation, Inc., to the ConocoPhillips Refinery at Rodeo, California. Disposal at the Rodeo facility was authorized by ConocoPhillips in accordance with "ESD Standard Operating Procedures - Water Quality and Compliance", as revised on February 7, 2003. Documentation of compliance with ConocoPhillips requirements is provided by an ESD Form R-149, which is on file at TRC's Concord Office. Purge water containing a significant amount of liquid-phase hydrocarbons was accumulated separately in drums for transportation and disposal by Filter Recycling, Inc.

### **Limitations**

The fluid level monitoring and groundwater sampling activities summarized in this report have been performed under the responsible charge of a California Registered Geologist or Registered Civil Engineer and have been conducted in accordance with current practice and the standard of care exercised by geologists and engineers performing similar tasks in this area. No warranty, express or implied, is made regarding the conclusions and professional opinions presented in this report. The conclusions are based solely upon an analysis of the observed conditions. If actual conditions differ from those described in this report, our office should be notified.